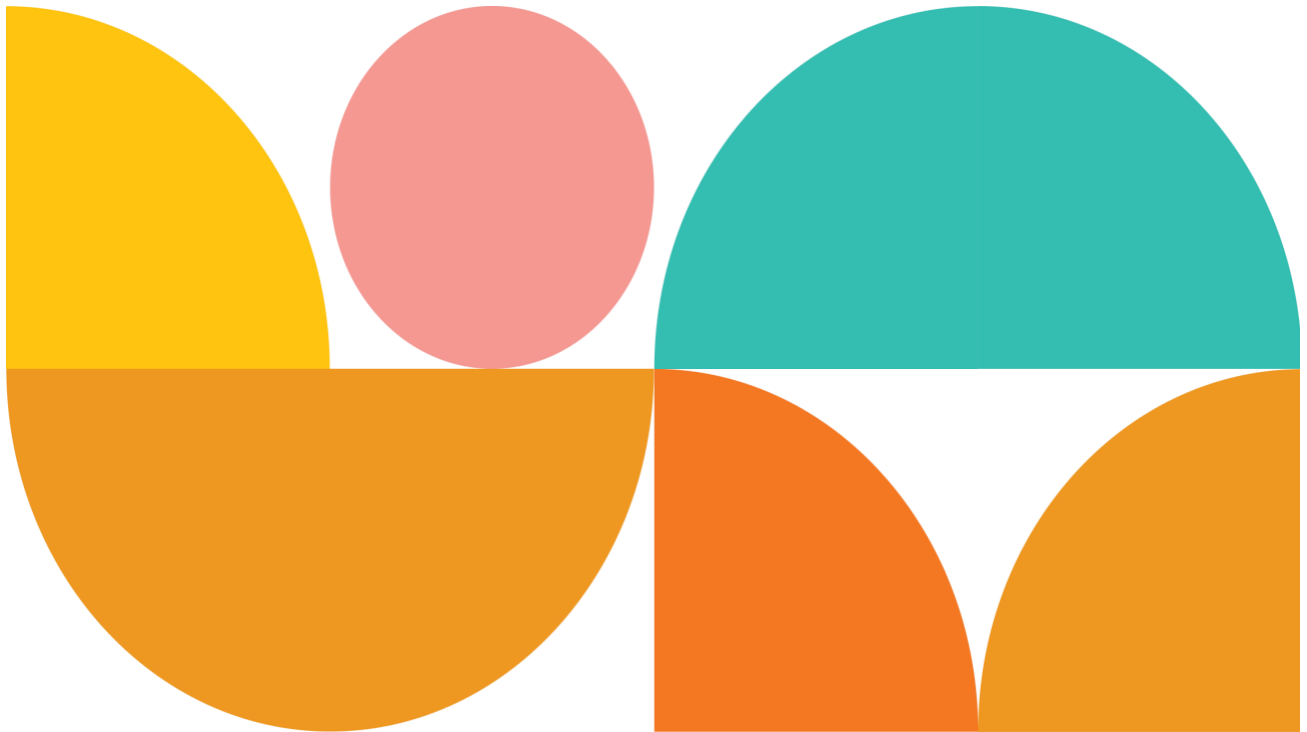


CRIME INVESTIGATION SYSTEM

& DATABASE MANAGEMENT

DONE BY- TAMIZHARASAN M



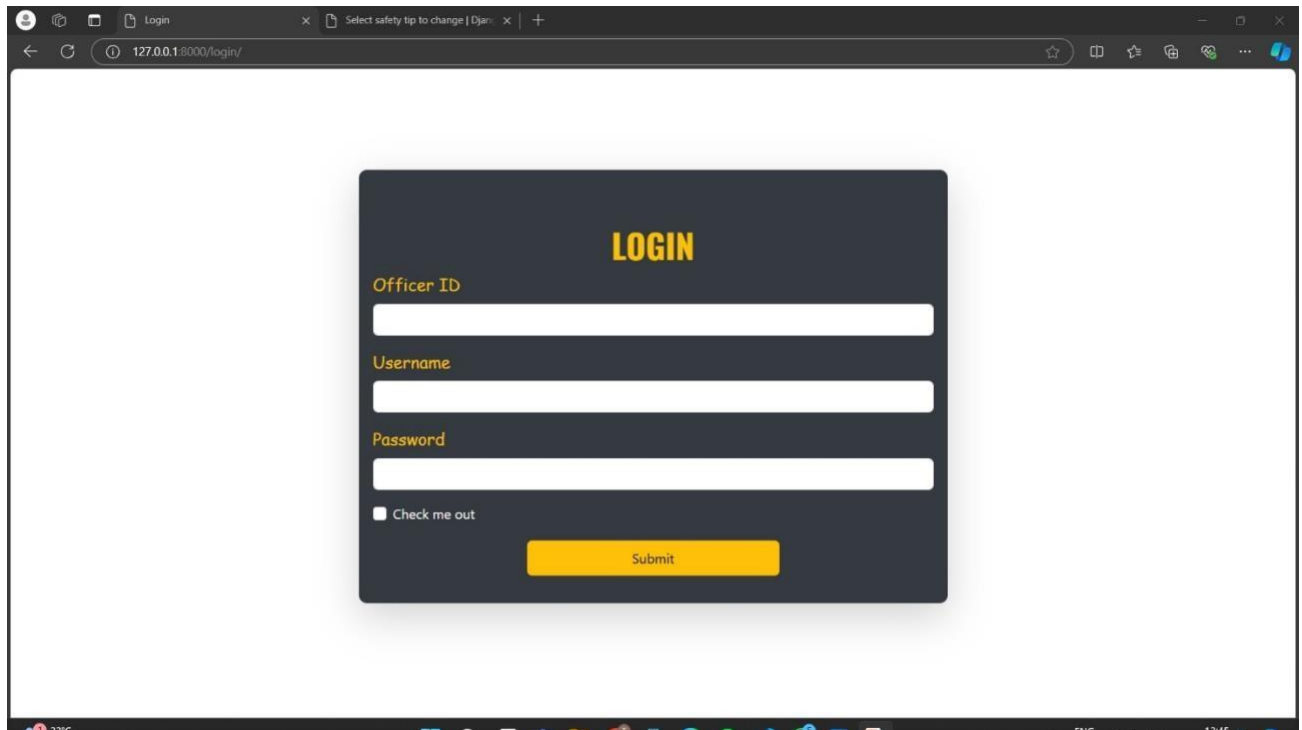
INDEX PAGE



ABOUT INDEX:

The index page features a dynamic **Dashboard** offering real-time insights and updates on community safety. Residents can stay informed through the **News & Updates** section and engage with **Community Outreach** initiatives. The **Safety Tips** area provides practical advice for personal protection. Secure **Officer Login** and **Admin Login** options ensure tailored access for users.

OFFICER LOGIN PAGE (Dynamic)

A screenshot of a web browser displaying the Officer Login page. The browser's address bar shows the URL "127.0.0.1:8000/login/". The login form is a dark gray box with a yellow "LOGIN" title. It contains three input fields labeled "Officer ID", "Username", and "Password". Below these fields is a checkbox labeled "Check me out" and a yellow "Submit" button. The browser's taskbar at the bottom shows the system clock as 13:45 and the language as ENG.

127.0.0.1:8000/login/

LOGIN

Officer ID

Username

Password

☐ Check me out

Submit

ABOUT OFFICER LOGIN:

The **Officer Login** page allows officers to access their individual profile pages by entering their **Officer ID**, **Name**, and **Password**. Once authenticated, officers can view and manage their specific information, including case assignments, updates, and personal details. This secure login process ensures that each officer has access to relevant data while maintaining confidentiality and privacy.

Example

```
Officer ID: F001  
Password:1234  
Username: Tamizh
```

PROFILE PAGE (Dynamic)

The screenshot displays a web application interface for a crime investigation system. The page is titled "PROFILE PAGE" and features a "Logout" button in the top right corner. On the left, there is a profile card for Officer Tamizh, including a circular portrait, name, officer ID (F001), email (tamizharasan3899@gmail.com), contact number (3231231232), and address (No. 12, Anna Nagar West Extension, 4th Avenue, Chennai - 600101, Tamil Nadu, India). On the right, under the "Cases" section, two cases are listed: "Suspicious Death at Lakeview (ID: C001)" and "Murder (ID: C005)". Each case has a description and buttons for "Suspects" and "Evidence". The "Suspects" button for the first case is highlighted. The footer indicates the copyright is © 2024 CIS Company: Crime Investigation System.

PROFILE PAGE

Logout

Tamizh
Officer ID: F001
Email: tamizharasan3899@gmail.com
Contact: 3231231232
Address: No. 12, Anna Nagar West Extension, 4th Avenue, Chennai - 600101, Tamil Nadu, India.

Cases

Suspicious Death at Lakeview (ID: C001)

The body of a female was discovered near Lakeview Park, with signs of foul play. Authorities are treating this case as a homicide. Autopsy results pending.

Suspects

Evidence

Murder (ID: C005)

Assigned to officer

Suspects

Evidence

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SUSPECT DETAILS

This screenshot shows the same profile page as before, but with the "Suspects" button for the "Suspicious Death at Lakeview (ID: C001)" case clicked. This action has expanded the view to show details for two suspects: Jordan Mills and Lisa Tran. Each suspect's entry includes a portrait, name, relation to the victim, contact number, and address. The footer remains the same: © 2024 CIS Company: Crime Investigation System.

PROFILE PAGE

Logout

Tamizh
Officer ID: F001
Email: tamizharasan3899@gmail.com
Contact: 3231231232
Address: No. 12, Anna Nagar West Extension, 4th Avenue, Chennai - 600101, Tamil Nadu, India.

Cases

Suspicious Death at Lakeview (ID: C001)

The body of a female was discovered near Lakeview Park, with signs of foul play. Authorities are treating this case as a homicide. Autopsy results pending.

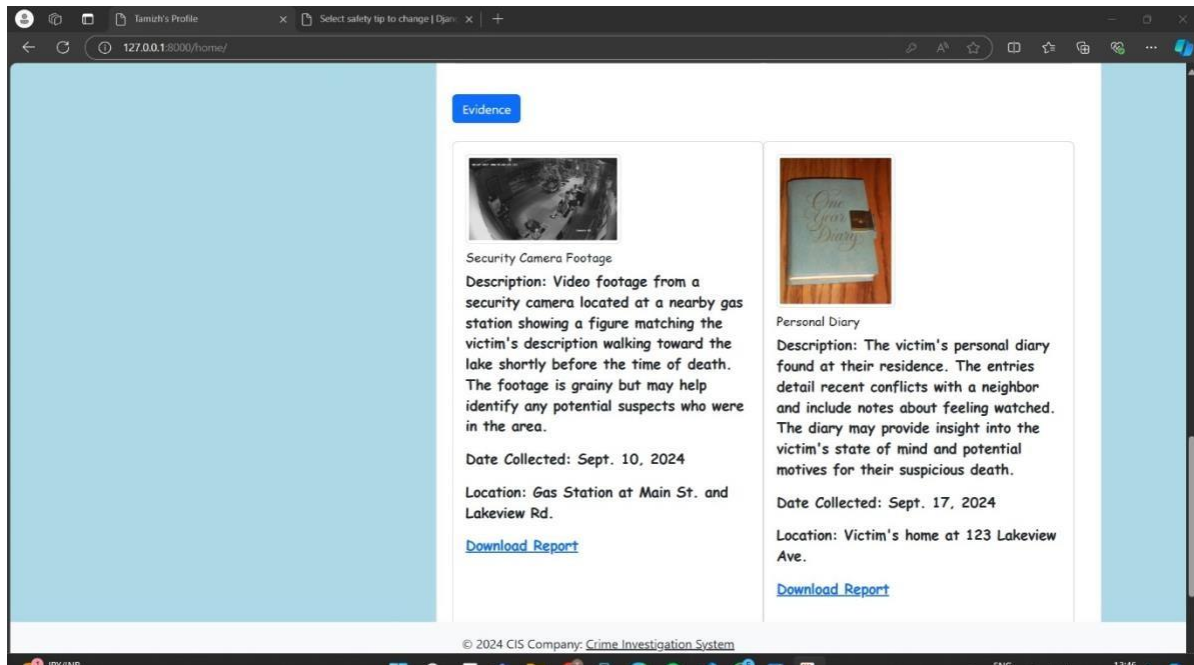
Suspects

Jordan Mills
Relation: Ex-Partner of the Victim
Contact: 5467894324
Address: 124 Oak Street, Lakeview, CA 95451

Lisa Tran
Relation: Close Friend of the Victim
Contact: 3456754325
Address: 56 Maple Avenue, Lakeview, CA 95451

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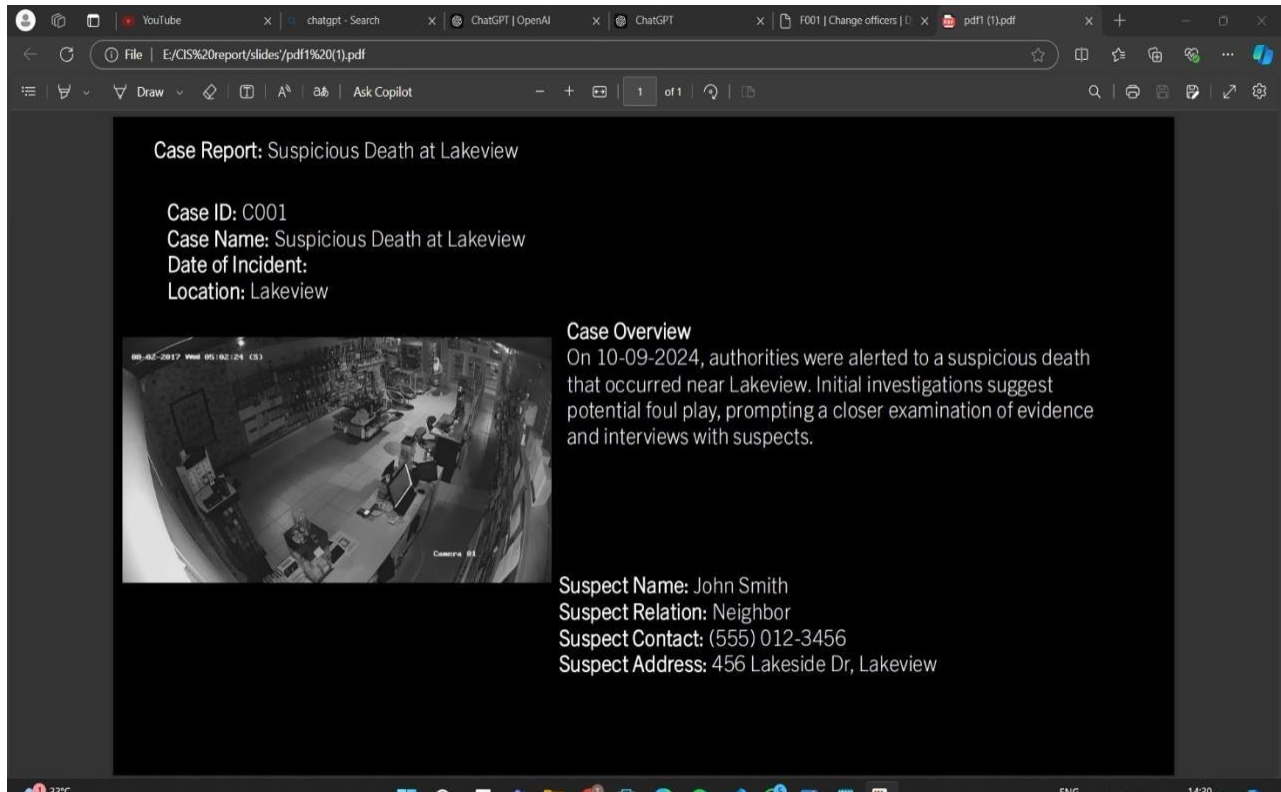
EVIDENCE DETAILS



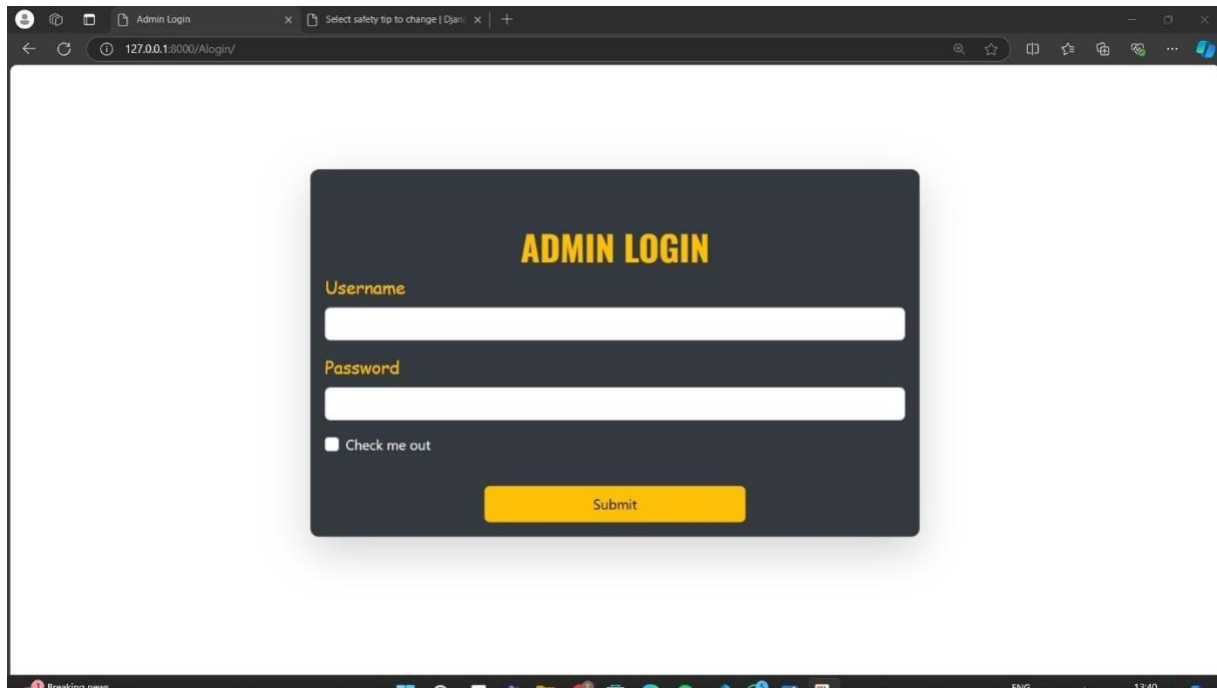
ABOUT OFFICER PROFILE:

The **Officer Profile Page** is uniquely tailored to each officer, accessible through their specific **Officer ID**. This page prominently displays the officer's profile photo, along with a list of cases assigned to them. For each case, relevant suspects and evidence are detailed, providing a comprehensive overview of their current assignments. Additionally, reports related to the evidence can be conveniently downloaded as **PDFs**, ensuring officers have easy access to vital information for their investigations.

DOWNLOADED REPORT (PDF)



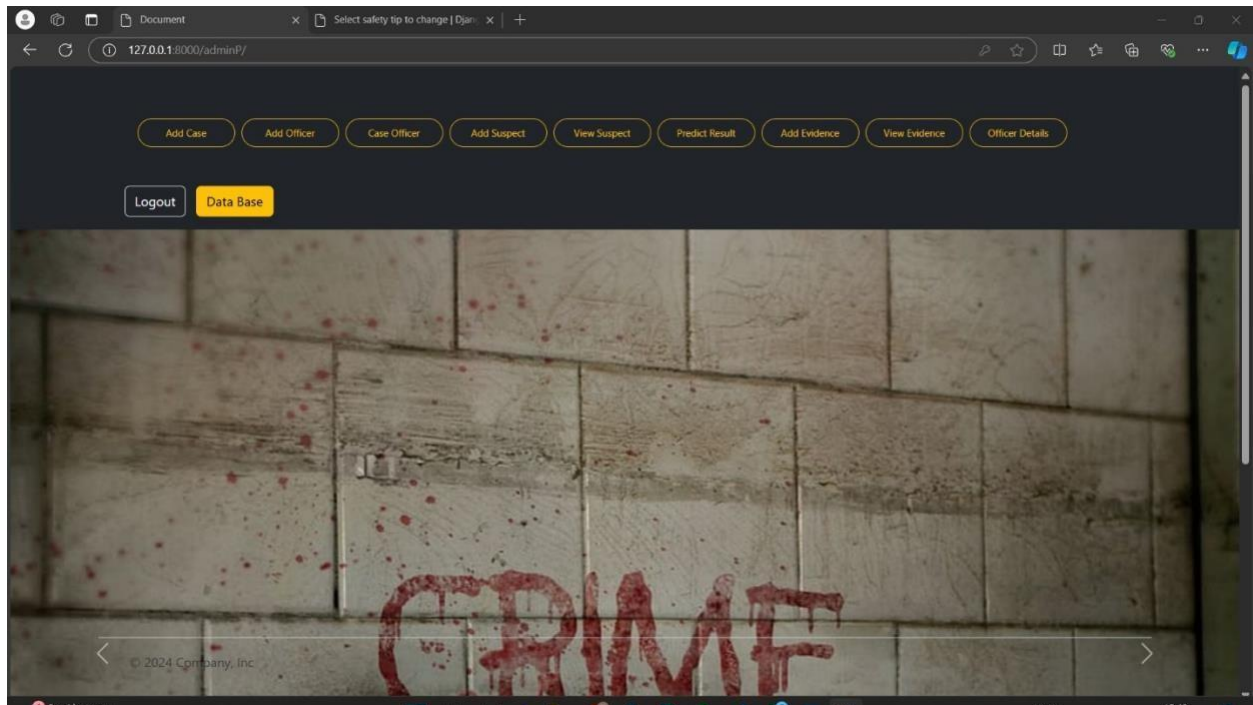
ADMIN LOGIN PAGE



ABOUT ADMIN LOGIN:

The **Admin Page** allows authorized personnel to securely access administrative functions using their **Username** and **Password**. Once logged in, admins can manage key aspects of the platform, such as overseeing officer profiles, monitoring community updates, and managing system settings. The secure login ensures only designated administrators can make critical changes, maintaining the integrity and security of the system.

ADMIN PORTAL DETAILS



ABOUT ADMIN PORTAL:

The Admin Portal serves as the control center for managing various aspects of law enforcement data and officer assignments. Through this portal, admins can:

- **Add Case:** Create new cases by inputting essential details to track ongoing investigations.
- **Add Officer:** Register new officers, assigning them unique Officer IDs and storing their credentials securely.
- **Case Officer:** Assign officers to specific cases, ensuring proper resource allocation.
- **Add Suspect & View Suspect:** Enter suspect information into the system and review details of all suspects associated with ongoing investigations.
- **Predict Result:** Utilize tools to analyze evidence and predict case outcomes, aiding in the investigation process.
- **Add Evidence & View Evidence:** Record and access evidence linked to various cases, providing crucial support for investigations.
- **Officer Details:** View the profiles and assignments of all officers in the system.
- **Database Portal:** Manage the underlying database for cases, officers, suspects, and evidence, ensuring the system remains organized and up-to-date.

ADD CASES PAGE

A screenshot of a web browser displaying the 'ADD CASE' form. The browser's address bar shows '127.0.0.1:8000/AddCase/'. The form is a dark blue modal with a yellow title 'ADD CASE' and a 'Back' button. It contains the following fields: 'Case ID' (text input with 'C006'), 'Case Name' (text input with placeholder 'Enter Case Name'), 'Officer ID' (dropdown menu with 'Select'), 'Officer Name' (text input with placeholder 'Officer Name'), and 'Note' (text area with placeholder 'Enter Note'). At the bottom, there is a checkbox labeled 'Can't check this' and a yellow 'Submit' button.

ADD OFFICERS PAGE

A screenshot of a web browser displaying the 'ADD OFFICER' form. The browser's address bar shows '127.0.0.1:8000/AddOfficer/'. The form is a dark blue modal with a yellow title 'ADD OFFICER' and a 'Back' button. It contains the following fields: 'Officer ID' (text input with 'F006'), 'Username' (text input with placeholder 'Enter Username'), 'Contact' (text input with placeholder 'Enter Contact'), 'Address' (text area with placeholder 'Enter Address'), 'Email' (text input with placeholder 'Enter Email'), 'Password' (text input with placeholder 'Enter Password'), and 'Confirm Password' (text input with placeholder 'Confirm Password'). At the bottom, there is a yellow 'Register' button.

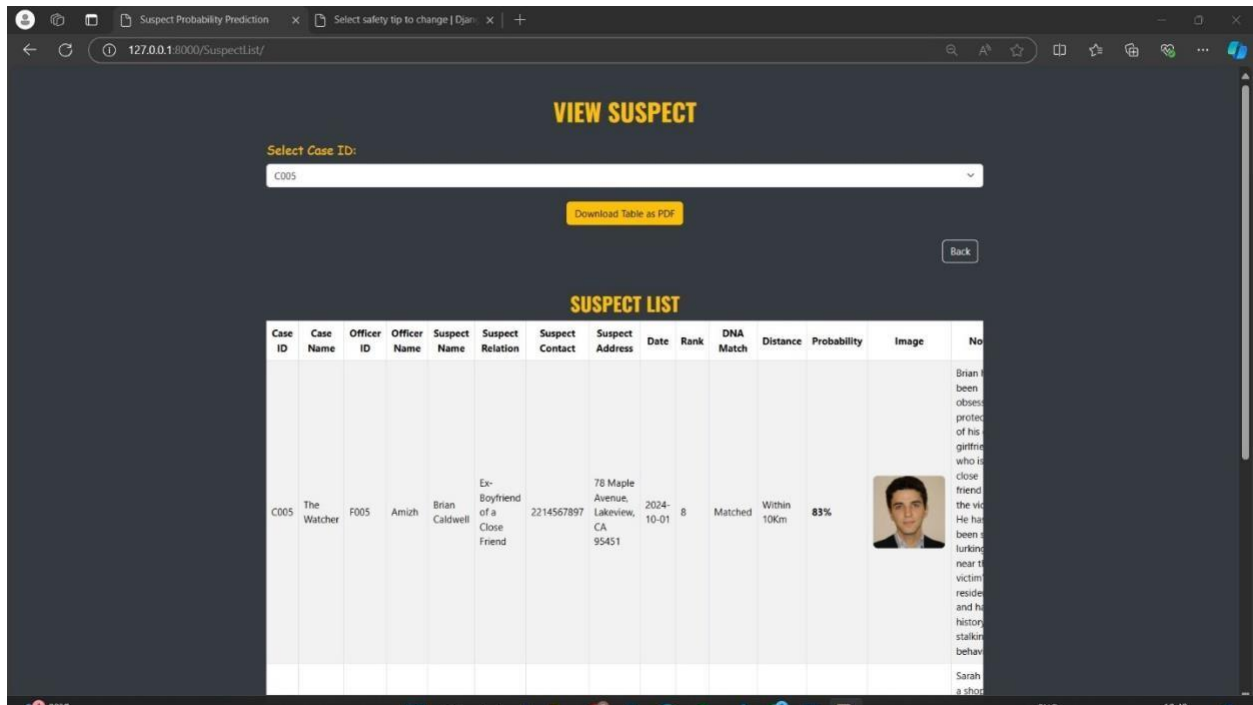
ADD CASE OFFICER PAGE

A screenshot of a web browser displaying the 'ADD CASE OFFICER' form. The browser's address bar shows '127.0.0.1:8000/CaseOfficer/'. The form is a dark-themed modal with a yellow title 'ADD CASE OFFICER' and a 'Back' button. It contains the following fields: 'Case ID' (a dropdown menu with 'Select' as the placeholder), 'Case Name' (a text input with the placeholder 'Enter Case Name'), 'Officer ID' (a dropdown menu with 'Select' as the placeholder), and 'Officer Name' (a text input with the placeholder 'Officer Name'). At the bottom left, there is a checkbox labeled 'Can't check this'. A yellow 'Submit' button is at the bottom center.

ADD SUSPECT PAGE

A screenshot of a web browser displaying the 'ADD SUSPECT' form. The browser's address bar shows '127.0.0.1:8000/Suspects/'. The form is a dark-themed modal with a yellow title 'ADD SUSPECT' and a 'Back' button. It contains the following fields: 'Case ID' (a dropdown menu with 'Select' as the placeholder), 'Case Name' (a text input), 'Officer ID' (a text input), 'Officer Name' (a text input), 'Suspect Name' (a text input), 'Suspect Relation' (a text input), 'Suspect Contact' (a text input), 'Suspect Address' (a text input), 'Date' (a date picker showing '8/26/2022'), 'Rank' (a text input), 'Name' (a text input), 'DNA Match' (a dropdown menu with '---Select---' as the placeholder), 'Distance' (a dropdown menu with '---Select---' as the placeholder), and 'Suspect Image' (a file upload button labeled 'Choose File' with the text 'No file chosen'). A yellow 'Register' button is at the bottom center.

VIEW SUSPECT DETAILS PAGE



ABOUT VIEW SUSPECT:

The **View Suspect** page provides a comprehensive overview of all suspects involved in various cases. Each suspect's profile is presented with detailed information, allowing officers and administrators to easily track and assess their involvement. The following details are available on this page:

- **Case ID:** The unique identifier for the case the suspect is linked to.
- **Case Name:** The name or title of the case.
- **Officer ID:** The ID of the officer assigned to the case.
- **Officer Name:** The name of the officer managing the case.
- **Suspect Name:** The full name of the suspect under investigation.
- **Suspect Relation:** The suspect's relationship to the victim or the case (e.g., family member, colleague).
- **Suspect Contact:** The contact information of the suspect, including phone number or email.
- **Suspect Address:** The current address of the suspect.
- **Date:** The date the suspect was added to the investigation.
- **Rank:** The priority or ranking of the suspect in relation to the case (e.g., primary suspect, secondary suspect).
- **DNA Match:** Any DNA evidence linking the suspect to the crime.
- **Distance:** The proximity of the suspect to the crime scene or their last known location.
- **Probability:** The estimated likelihood of the suspect's involvement, based on evidence or investigative data.
- **Image:** A photo of the suspect for identification.
- **Note:** Additional notes or observations related to the suspect's behavior or case involvement.
- **Download Case Details:** A download button ,allows users to export the details of the selected case .

ADD EVIDENCE PAGE

The screenshot shows a web browser window with the URL `127.0.0.1:8000/AddEvidence/`. The page has a dark theme and a central form titled "ADD EVIDENCE" in yellow. The form includes a "Back" button at the top right. The fields are: "Case ID" (a dropdown menu), "Evidence Name" (a text input), "Description" (a text area), "Date Collected" (a date picker), "Suspect" (a dropdown menu), "Evidence Image" (a file upload button), "Evidence Report" (a file upload button), "Fingerprint Image" (a file upload button), and "Location" (a text input). At the bottom of the form is a yellow "Add Evidence" button.

VIEW EVIDENCE DETAILS PAGE

The screenshot shows a web browser window with the URL `127.0.0.1:8000/ViewEvidence/?case_id=C001`. The page has a dark theme and a central section titled "VIEW EVIDENCE" in yellow. Below the title is a "Select Case ID:" label and a dropdown menu showing "C001". A "Back" button is at the top right. Below this is a table with evidence details.

Evidence Name	Description	Date Collected	Image	Report	Fingerprint	Suspect Name	Location
Security Camera Footage	Video footage from a security camera located at a nearby gas station showing a figure matching the victim's description walking toward the lake shortly before the time of death. The footage is grainy but may help identify any potential suspects who were in the area.	Sept. 10, 2024		View Report	No Fingerprint	Jordan Mills	Gas Station at Main St. and Lakeview Rd.
Personal Diary	The victim's personal diary found at their residence. The entries detail recent conflicts with a neighbor and include notes about feeling watched. The diary may provide insight into the victim's state of mind and potential motives for their suspicious death.	Sept. 17, 2024		View Report	No Fingerprint	Lisa Tran	Victim's home at 123 Lakeview Ave.

ABOUT VIEW EVIDENCE:

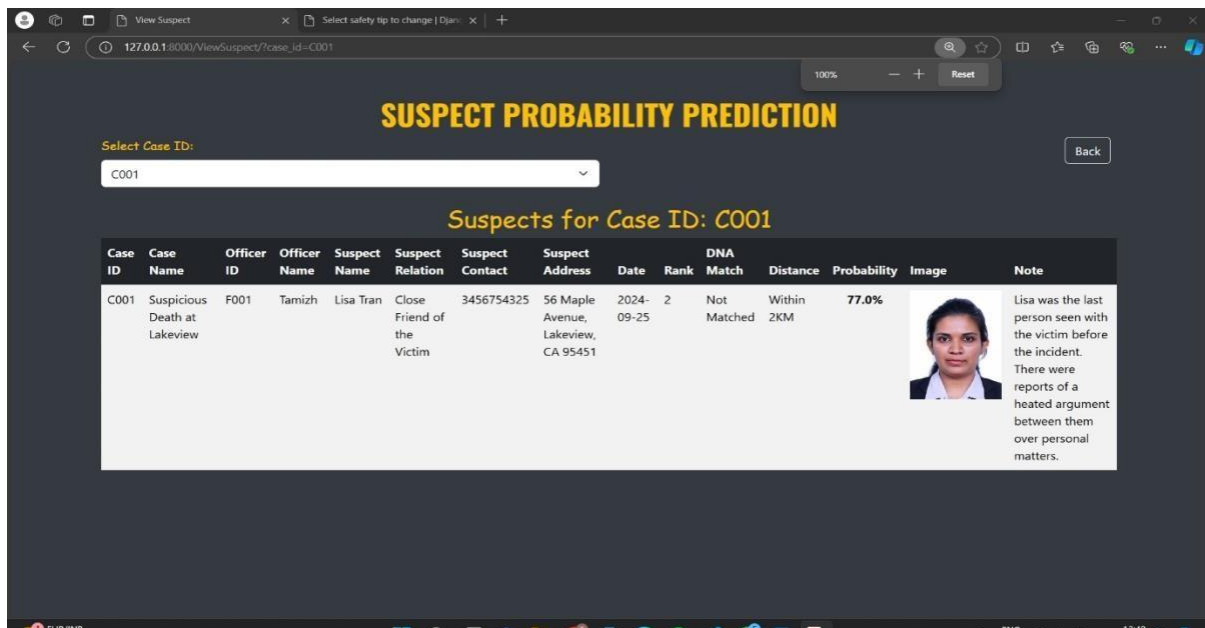
The **View Evidence** page offers a detailed summary of all evidence linked to ongoing and past investigations. For each piece of evidence, the following information is provided:

- **Evidence Name:** The title or name given to the piece of evidence.
- **Description:** A brief explanation of what the evidence is and its relevance to the case.
- **Date Collected:** The date the evidence was collected from the crime scene or other relevant locations.
- **Image:** A visual representation (photo) of the evidence for easier identification.
- **Report:** A downloadable document or report related to the evidence, including forensic analysis or other investigative insights.
- **Fingerprint:** Details of any fingerprint analysis linked to the evidence.
- **Suspect Name:** The name of the suspect associated with or connected to this evidence.
- **Location:** The location where the evidence was found or collected.

Additionally, there is a selection box where users can:

- **Select a Case ID:** This option allows users to choose a specific Case ID from a dropdown or selection box. Upon selecting a Case ID, users can view all evidence related to that particular case.
- **View Case Details:** After selecting a Case ID, a button allows users to view a comprehensive table or page showing all evidence, suspects, and reports tied to that specific case.

PREDICT SUSPECT PAGE



ABOUT PREDICT SUSPECT:

The **Predict Result** page utilizes advanced data analysis to predict the criminal most likely responsible for the crime based on the uploaded evidence and case data. This tool helps investigators by providing a ranked list of suspects, highlighting the person with the highest probability of committing the crime. The page includes detailed information for each suspect, allowing for a comprehensive evaluation.

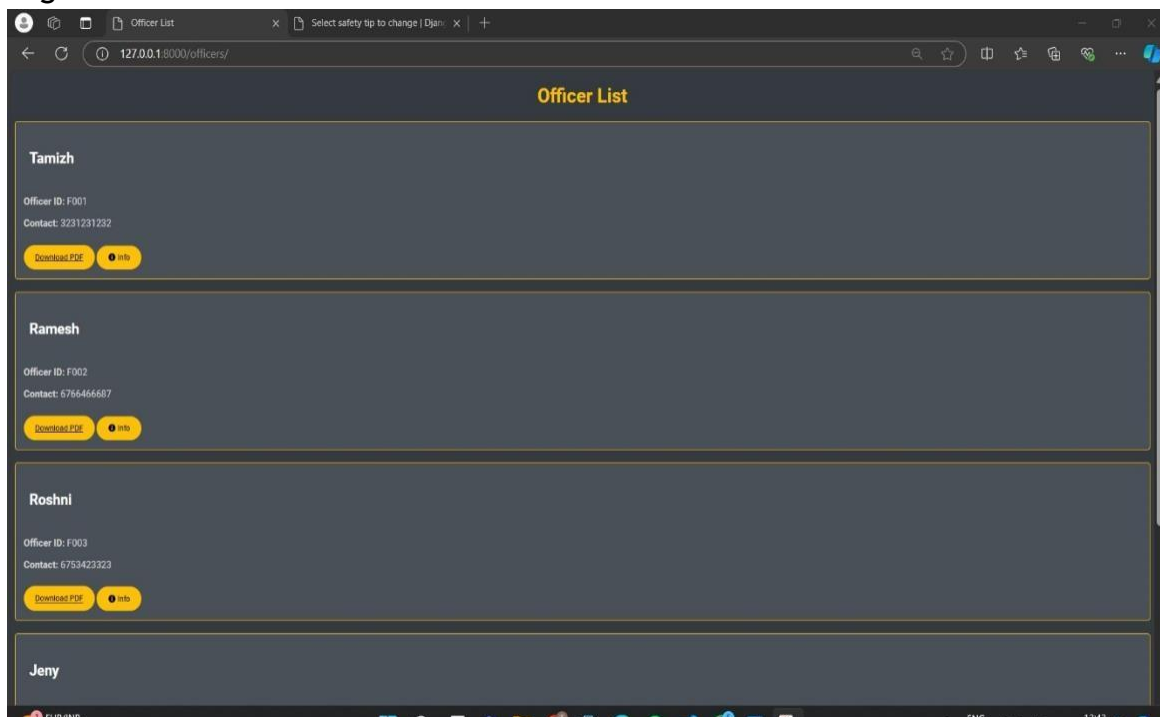
The following details are displayed:

- Case ID: The unique identifier for the case being analyzed.
- Case Name: The name or title of the case under investigation.
- Officer ID: The ID of the officer handling the case.
- Officer Name: The name of the officer responsible for the investigation.
- Suspect Name: The full name of the suspect being analyzed.
- Suspect Relation: The suspect's relationship to the victim or the case (e.g., family member, coworker).
- Suspect Contact: The contact details of the suspect, including phone number or email.
- Suspect Address: The residential address of the suspect.
- Date: The date the suspect was added to the investigation.
- Rank: The ranking of the suspect based on the analysis, indicating their likelihood of being involved.
- DNA Match: Any DNA evidence linking the suspect to the crime.
- Distance: The distance between the suspect's last known location and the crime scene.

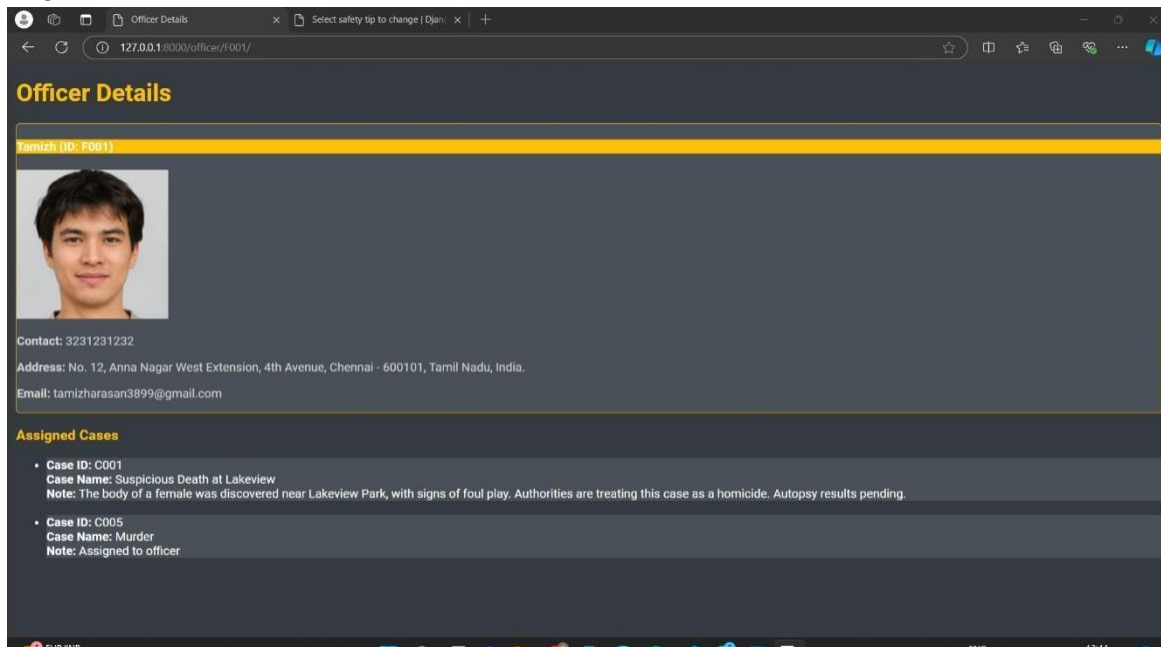
- Probability: The system-generated probability percentage indicating the likelihood of the suspect committing the crime, based on evidence and data inputs.
- Image: A photo of the suspect for easy identification.
- Note: Additional comments or observations about the suspect and their involvement in the case.

OFFICER DETAILS PAGE

Page1:



Page 2:



ABOUT OFFICER DETAILS:

The **Officer Details** page presents a comprehensive profile of each officer, providing essential information and insights into their current assignments. This page includes the following key details:

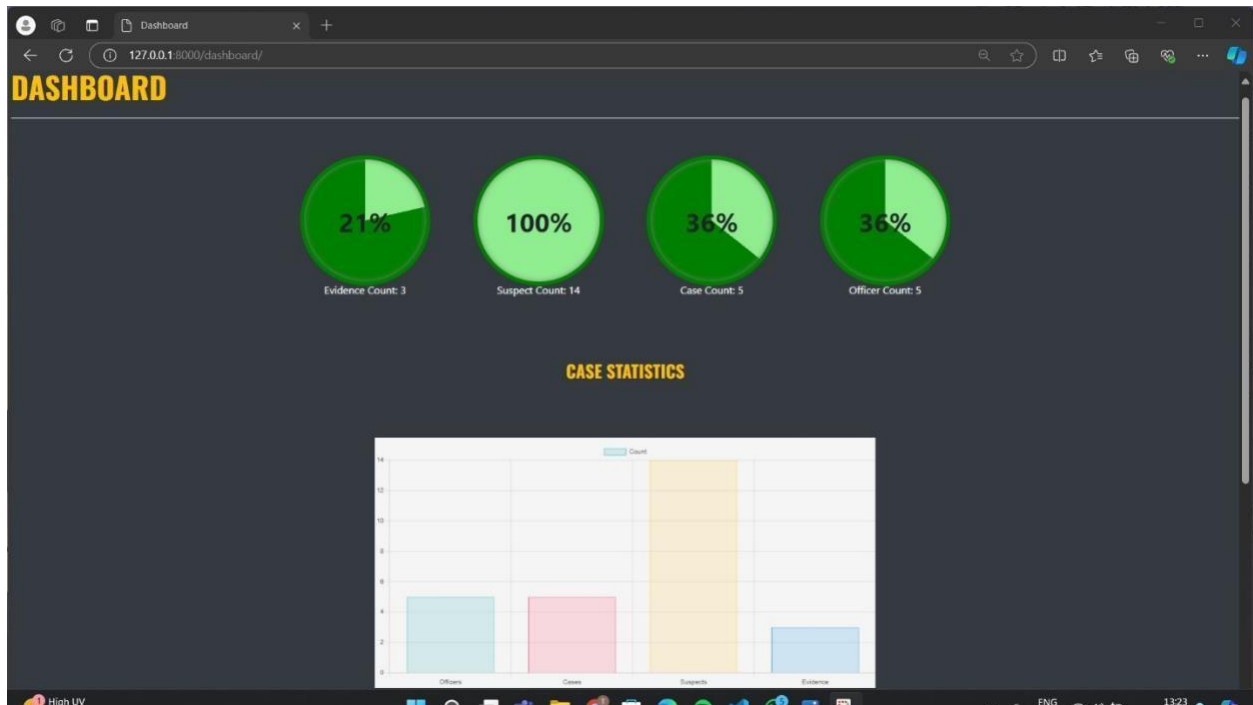
- **Officer Name:** The full name of the officer for identification.
- **Officer ID:** A unique identifier assigned to the officer within the system.
- **Address:** The residential address of the officer for contact purposes.
- **Contact Details:** Phone numbers and email addresses to facilitate communication.

In addition to personal information, the page also highlights the cases currently assigned to the officer, detailing their active involvement in investigations. This section includes:

- **Case IDs:** Unique identifiers for each case the officer is working on.
- **Case Names:** Titles of the respective cases for easier reference.
- **Status:** The current status of each case (e.g., ongoing, under investigation).

Users can conveniently download this information in a structured format, such as a PDF.

DASHBOARD PAGE



ABOUT DASHBOARD:

The **Dashboard Page** acts as a vital overview of critical metrics within the law enforcement department, providing a quick reference for essential statistics. Key counts are prominently displayed, including:

- **Evidence Count:** This metric reflects the total number of pieces of evidence collected across all cases, helping officers understand the resources at their disposal.
- **Suspect Count:** The count of all suspects currently associated with active investigations, providing insight into the breadth of ongoing cases.
- **Case Count:** A tally of both open and closed cases, giving a clear picture of the department's workload and case management efficiency.
- **Officer Count:** The total number of officers currently assigned within the department, indicating available personnel for investigations.

These counts are represented visually in a **graphical format**, such as bar charts or pie charts, allowing for a quick and easy understanding of the department's operational landscape. Each graphical representation showcases the individual count for evidence, suspects, cases, and officers, enabling users to identify trends and areas that may require additional attention or resources.

NEWS & UPDATES PAGE

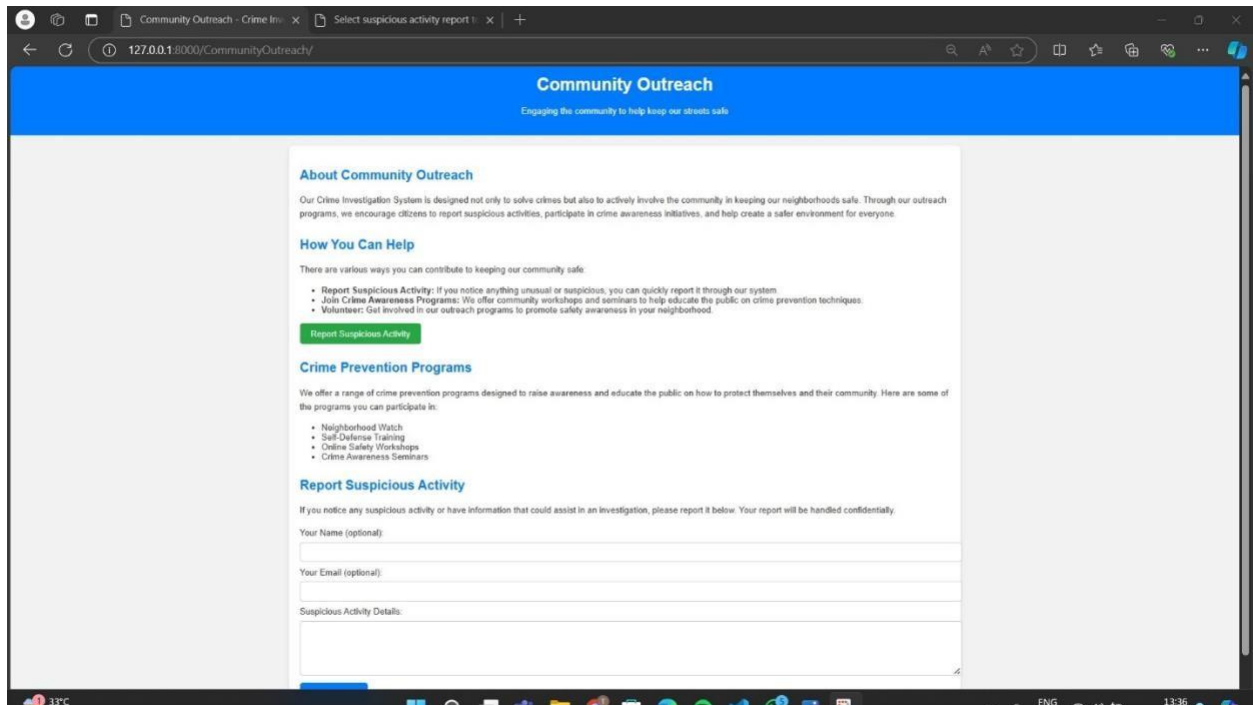


ABOUT NEWS & UPDATES:

The **News & Updates Page** serves as a dynamic platform for sharing important developments within the law enforcement agency, focusing primarily on solved cases and the efforts of officers involved. This engaging page features:

- **Case Summaries:** Detailed accounts of recently solved cases, providing insights into the nature of the crimes, the investigative process, and the resolution. Each entry highlights the case background, the challenges faced, and the innovative approaches taken by officers to arrive at a solution.
- **Officer Spotlights:** Recognition of the officers who played pivotal roles in solving cases, detailing their contributions and strategies. This section not only honors their hard work but also inspires others within the department.
- **Case Narratives:** In-depth descriptions of how specific cases were unraveled, including key evidence, suspect interactions, and investigative breakthroughs. These narratives provide a fascinating look into the realities of criminal investigation.
- **Visuals:** Accompanying images of the officers involved and the crime scenes related to the solved cases. These visuals enhance the storytelling aspect, offering a glimpse into the real-life contexts of the cases.

COMMUNITY OUTREACH PAGE



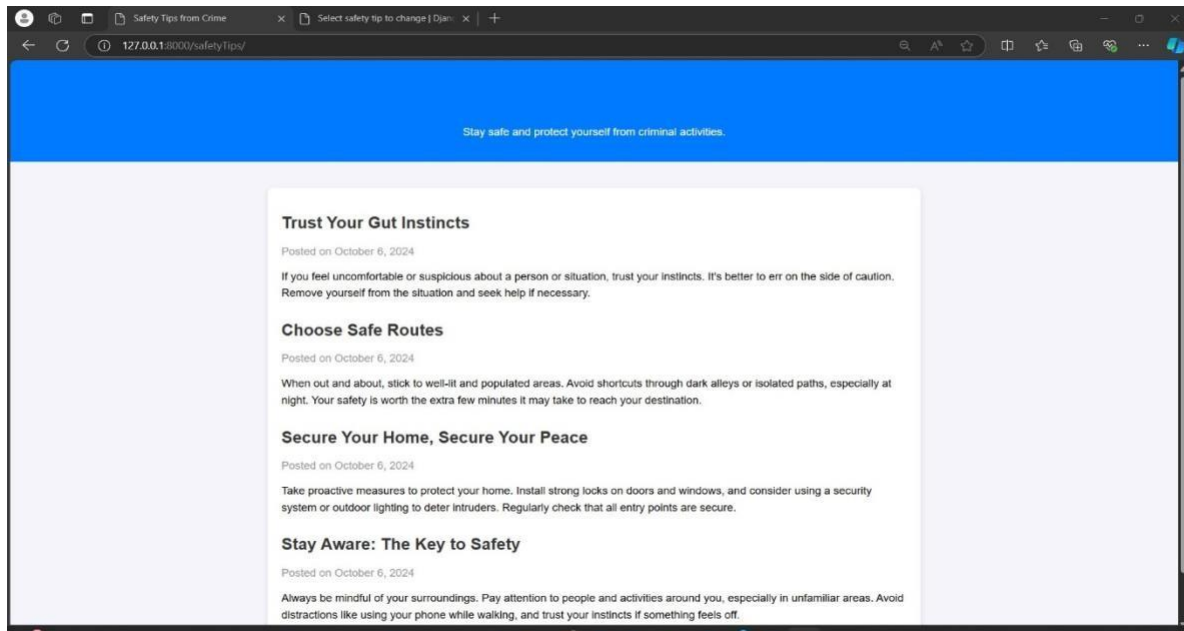
The screenshot displays a web browser window with the address bar showing '127.0.0.1:8000/CommunityOutreach/'. The page has a blue header with the title 'Community Outreach' and the tagline 'Engaging the community to help keep our streets safe'. The main content area is divided into several sections: 'About Community Outreach' with a paragraph about the Crime Investigation System; 'How You Can Help' with a list of ways to contribute (Report Suspicious Activity, Join Crime Awareness Programs, Volunteer) and a green 'Report Suspicious Activity' button; 'Crime Prevention Programs' with a list of programs (Neighborhood Watch, Self-Defense Training, Online Safety Workshops, Crime Awareness Seminars); and 'Report Suspicious Activity' which includes a form with fields for 'Your Name (optional)', 'Your Email (optional)', and 'Suspicious Activity Details'. The form is currently empty.

ABOUT COMMUNITY OUTREACH:

The **Community Outreach Page** serves as a crucial link between the law enforcement agency and the public, fostering a collaborative approach to maintaining safety and addressing community concerns. This interactive platform allows citizens to engage directly with the police department in the following ways:

- **Contact Form:** Community members can provide their name, email address, and details of suspicious activities they observe. This form is user-friendly, encouraging individuals to report incidents that may require police attention.
- **Reporting Mechanism:** Citizens can easily submit their observations regarding any suspicious behavior or potential criminal activity. This feature promotes community vigilance and empowers residents to play an active role in their safety.
- **Message Functionality:** The page also includes an option for the public to send messages or complaints to the police department. This ensures that individuals can express their concerns and seek assistance in a timely manner.
- **Anonymous Reporting:** To enhance community participation, the page may offer an option for anonymous submissions, allowing individuals to report issues without fear of retaliation.

SAFETY & TIPS PAGE



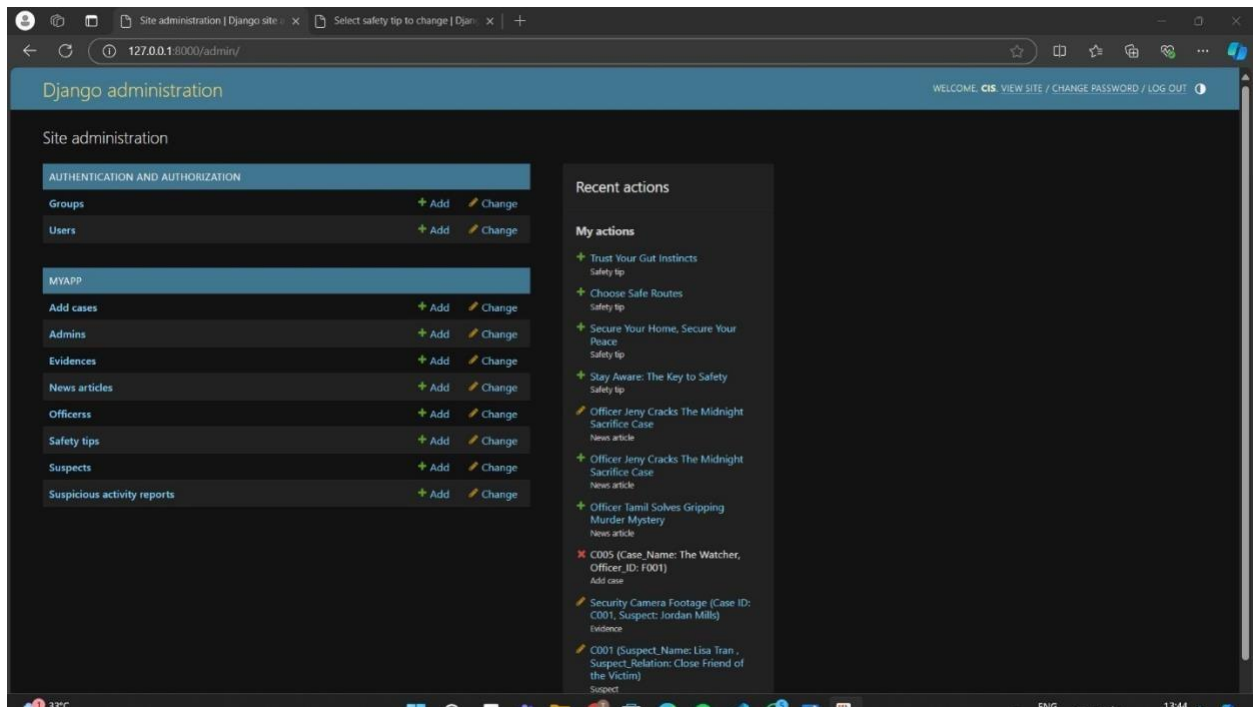
ABOUT SAFETY TIPS:

The **Safety Tips Page** is an essential resource designed to equip the community with practical measures to safeguard themselves against various threats, including criminals, strangers, and burglars. This page offers targeted advice for women, children, and vulnerable individuals, focusing on creating a safer environment for everyone. Key features include:

- **Personal Safety Tips:** A curated list of strategies individuals can implement in their daily lives, such as staying aware of surroundings, avoiding isolated areas, and trusting their instincts.
- **Women's Safety Measures:** Specific guidance tailored for women, addressing situations like walking alone at night, handling unwanted attention, and tips for safe transportation options.
- **Child Safety Guidelines:** Recommendations for parents on teaching children about stranger danger, safe play areas, and the importance of telling an adult if they feel uncomfortable.
- **Home Security Advice:** Tips for enhancing home safety, including securing windows and doors, installing security systems, and getting to know neighbors to create a supportive community network.

- **Reporting Suspicious Activity:** Encouragement for community members to report any suspicious behavior to the police, reinforcing the importance of vigilance and proactive communication.

DATABASE PAGE



ABOUT DATABASE:




The **Database Page** serves as a comprehensive repository for all critical information related to the law enforcement project. This centralized hub ensures that vital data is efficiently organized, easily accessible, and securely stored, facilitating smooth operations across various functionalities. Key components of the database include:

- **Add Cases:** A section dedicated to the registration of new cases, allowing officers to input detailed information about each case for tracking and management.
- **Admins:** This part of the database maintains records of administrative personnel, including usernames, passwords, and roles, ensuring efficient management and access control within the system.
- **Evidences:** A repository for all evidence collected during investigations, enabling officers to catalog and retrieve evidence easily for case reviews and trials.
- **News Articles:** A section for storing articles and updates related to law enforcement activities, solved cases, and community outreach initiatives, keeping the public informed.
- **Officers:** A database of all officers within the department, documenting their details such as names, IDs, roles, and contact information for effective communication and coordination.

2.SUSPECT DETAILS

Suspect Report

Case ID: C001

Case ID	Case Name	Officer ID	Officer Name	Suspect Name	Suspect Relation	Suspect Contact	Suspect Address	Date	Rank	DNA Match	Distance	Probability	Image	Note
C001	Suspicious Death at Lakeview	F001	Tamizh	Jordan Mills	Ex-Partner of the Victim	5467894324	124 Oak Street, Lakeview, CA 95451	2024-09-16	5	Not Matched	Within 10Km	55%		Jordan had a history of volatile behavior towards the victim, including instances of harassment. Witnesses reported seeing him near the lake around the time of the death.
C001	Suspicious Death at Lakeview	F001	Tamizh	Lisa Tran	Close Friend of the Victim	3456754325	56 Maple Avenue, Lakeview, CA 95451	2024-09-25	2	Not Matched	Within 2Km	77%		Lisa was the last person seen with the victim before the incident. There were reports of a heated argument between them over personal matters.
C001	Suspicious Death at Lakeview	F001	Tamizh	Michael Johnson	Business Partner of the Victim	8786543527	78 Pine Lane, Lakeview, CA 95451	2024-09-16	7	Matched	More Than 10Km	72%		Michael had been in a business dispute with the victim, which had recently escalated. He was present at a nearby location during the time of death. Rebecca reported hearing

3.OFFICER DETAILS

Officer: Tamizh

Officer Details

Officer ID	F001
Contact	3231231232
Address	No. 12, Anna Nagar West Extension, 4th Avenue, Chennai - 600101, Tamil Nadu, India.
Email	tamizharasan3899@gmail.com

Assigned Suspects

Suspect Name	Relationship	Contact	Address	DNA Status	Distance	Probability
Jordan Mills	Ex-Partner of the Victim	5467894324	124 Oak Street, Lakeview, CA 95451	Not Matched	Within 10KM	55.0%
Lisa Tran	Close Friend of the Victim	3456754325	56 Maple Avenue, Lakeview, CA 95451	Not Matched	Within 2KM	77.0%
Michael Johnson	Business Partner of the Victim	8786543527	78 Pine Lane, Lakeview, CA 95451	Matched	More than 10KM	72.0%

Evidence

Evidence Name	Description	Date Collected	Location
Security Camera Footage	Video footage from a security camera located at a nearby gas station showing a figure matching the victim's description walking toward the lake shortly before the time of death. The footage is grainy but may help identify any potential suspects who were in the area.	Sept. 10, 2024	Gas Station at Main St. and Lakeview Rd.
Personal Diary	The victim's personal diary found at their residence. The entries detail recent conflicts with a neighbor and include notes about feeling watched. The diary may provide insight into the victim's state of mind and potential motives for their suspicious death.	Sept. 17, 2024	Victim's home at 123 Lakeview Ave.

Cases Assigned

Case ID	Case Name
C001	Suspicious Death at Lakeview
C005	Murder