

## Literature Survey

Title	Authors Names	Methodology	Limitations	Accuracy	Published Year	Link to paper
Blockchain-based Anonymous Tip-off System	1.Raksha S 2.Samhitha 3.Raipalle 4. Shreyaa 5.Pranav M S	<ul style="list-style-type: none"> <li>The system utilizes blockchain technology for an anonymous crime tip-off mechanism.</li> <li>Implements a ranking system based on user-provided tips to prioritize reports and maintain anonymity.</li> <li>Integrates Natural Language Processing (NLP) for auto-categorizing crimes based on keywords in tip descriptions.</li> <li>Utilizes Machine Learning for ranking events based on parameters such as location, time, and category of crimes.</li> </ul>	<ul style="list-style-type: none"> <li>The system relies on users having smartphones and internet access.</li> <li>Potential challenges related to the accuracy of auto-categorizing crimes using NLP.</li> <li>Dependence on blockchain technology, which may have a learning curve for users unfamiliar with it.</li> <li>The effectiveness of the system depends on user participation and the willingness of law enforcement to adopt the platform.</li> </ul>	The accuracy of the system will be evaluated based on the successful categorization of crimes, the reliability of tips, and the effectiveness of the ranking system in prioritizing reports.	2022	<a href="https://drive.google.com/file/d/1lrqU91cXDr1E01uEnyaYTwT1oewDRurQ/view?usp=drivesdk">https://drive.google.com/file/d/1lrqU91cXDr1E01uEnyaYTwT1oewDRurQ/view?usp=drivesdk</a>
Online Crime Reporting System	1.Archana 2.M Durga S 3.Saveetha K	<ul style="list-style-type: none"> <li>Aims to provide easily accessible crime management solutions.</li> </ul>	<ul style="list-style-type: none"> <li>No formal knowledge needed for users.</li> </ul>	The paper does not provide specific information on the accuracy of		<a href="https://drive.google.com/file/d/1ltqGTGbsLfzhRY4Am_sV4PXafm_WNhnN/">https://drive.google.com/file/d/1ltqGTGbsLfzhRY4Am_sV4PXafm_WNhnN/</a>

		<ul style="list-style-type: none"> <li>Centralized database for managing criminal details.</li> <li>Overrides problems in the manual system.</li> <li>User-friendly interface with minimal data entry errors.</li> <li>Ensures data accuracy and security.</li> <li>Utilizes cookies and IP addressing for location identification.</li> </ul>	<ul style="list-style-type: none"> <li>System limited to the specific needs of the company.</li> </ul>	the Crime Reporting System		view?usp=drive sdk
An Online Crime Reporting System	1.Riya Lohan 2.Mr. Mahesh Singh	<ul style="list-style-type: none"> <li>The system is designed to provide a flexible platform for reporting crimes online.</li> <li>It includes a user-friendly interface for victims/volunteers to lodge FIRs (First Investigation Reports).</li> <li>The system relies on four reporting forms: a complaint or dispatch reporting form, a crime event report form, follow-</li> </ul>	<ul style="list-style-type: none"> <li>No explicit limitations are mentioned in the provided excerpt.</li> <li>However, it's advisable to consider potential challenges such as data security, user privacy, and system scalability.</li> </ul>	The system aims to improve accuracy by providing a structured and standardized way of reporting crimes, with details like victim information, crime type, and location.	2015	<a href="https://drive.google.com/file/d/1lxzx3zAF3Wa5TAeUZ6zZMj2f0jk6-eTL/view?usp=drivesdk">https://drive.google.com/file/d/1lxzx3zAF3Wa5TAeUZ6zZMj2f0jk6-eTL/view?usp=drivesdk</a>

		<p>up investigation report form, and an arrest report form.</p> <ul style="list-style-type: none"> <li>Three main functional modules: data capture, report management, and control module, and data utilization module.</li> </ul>				
Public Crime Reporting and Monitoring System Model using SDM	<p>1.Priyanka Atmaram Ghyar 2. Mayuri Sanjay Patil 3. Shivani Gulabsingh Rajput 4.Dhanashri Gopal Patil</p>	<ul style="list-style-type: none"> <li>The paper employs Information Extraction (IE) techniques and principles of the Cognitive Interview.</li> <li>Information Extraction is likely used to gather relevant details from narratives, and Cognitive Interviewing is a psychological technique aimed at enhancing the recollection of information from witnesses and victims.</li> </ul>	<ul style="list-style-type: none"> <li>The paper acknowledges various reasons why crimes often go unreported, including emotional factors such as fear and embarrassment, the perception that the crime is insignificant or a personal issue, and challenges in reaching the appropriate authorities.</li> </ul>	<p>The system's performance metrics are highlighted, indicating high precision and recall. Specifically, for the Suspect Description Module (SDM), the system achieved a 70% recall and 100% precision</p>	2019	<a href="https://drive.google.com/file/d/1lxMSJU7vp0qYXVnSXRWs7zSZjGhr5UQe/view?usp=drivesdk">https://drive.google.com/file/d/1lxMSJU7vp0qYXVnSXRWs7zSZjGhr5UQe/view?usp=drivesdk</a>