

# Rudra Naik

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<https://github.com/rudra1614> <https://www.linkedin.com/in/rudra-naik> [https://play.picoctf.org/users/Rudra\\_160604](https://play.picoctf.org/users/Rudra_160604)

**Languages:** English (Bilingual), Hindi (Bilingual), Marathi (Bilingual), German (Beginner)

**Technical Skills:** Linux, Python, Ethical Hacking, Network Security, Cyber Security, Security Compliance, Compliance Frameworks, Information Security, Wireshark, Burp-Suite, Ettercap, Social-Engineering, Digital Forensics, IT Risk Management

## EDUCATION

### VELLORE INSTITUTE OF TECHNOLOGY

Bhopal, IN

Bachelor of Computer Science Engineering specialization in Cyber Security and Digital Forensics

2026

Cumulative GPA: 7.81/10

### MATOSHREE PRABODHINI JR. COLLEGE, THANE

Thane, IN

12<sup>th</sup> HSC PCM (Physics, Chemistry, Mathematics) Score: 70.33%

2022

### D.A.V PUBLIC SCHOOL, THANE

Thane, IN

10<sup>th</sup> CBSE Score: 89%

2022

## PROJECTS:

### AI Generated Bad Bot Good Bot Detection Software ([LINK](#))

2022

- Designed and implemented Ai generated Text Detection application in 4-person team using Python
- Tested implementation in AI based Phishing/Pharming Email detection.
- Developed an AI-powered text analysis model distinguishes between malicious and benign AI-generated text, achieving a 20% accuracy improvement through custom algorithm development.

### ATT&CK MITRE Based Website Pen-testing Tool ([LINK](#))

2023

- Successfully designed and implemented a comprehensive, automated website penetration testing tool using the Python programming language.
- The application features integrated support for more than 30 distinct and powerful security assessment tools to identify vulnerabilities.
- Generates detailed, actionable vulnerability reports for websites, structured according to the widely-adopted MITRE ATT&CK framework.

### Astral Encrypt0r ([LINK](#))

2026

- Developed a secure hybrid encryption tool in Python utilizing ECC (SECP256R1) for key agreement and AES-256-GCM for authenticated data encryption, ensuring both confidentiality and integrity.
- Implemented a unique entropy-harvesting engine that pulls real-time celestial telemetry (velocity, distance, orbital physics) from NASA's NeoWs API to seed cryptographic key generation, mitigating the risks of predictable software-based PRNGs.

### LogCentry Web SIEM

Ongoing

- Analyses website logs for workflow errors and security vulnerabilities and threats based on OWASP Top 10, CVE and ATT&CK Mitre Vulnerabilities.

## VOLUNTEER EXPERIENCE:

### OWASP CLUB

2022-2024

Marketing Lead

- Coordinated three Capture the Flag (CTF) competitions and three online seminars, attracting over 200 participants collectively.
- Launched a multi-channel advertising initiative that utilized flyers, social media, and campus events, resulting in a 30% boost in event attendance; engaged over 200 students through interactive promotional activities.

### WICYS STUDENT CHAPTER

2024-2025

Vice-President

- Elevated to the role of Vice-President for the college chapter of WiCys Organization, fostering a network that registered over 300 students and engaged 60 actives for an intensive 24-hour Capture the Flag challenge.
- Hosted CTF and Speaker Session in collaboration with Aksha Chudasama bug bounty hunter at NASA and OWASP CLUB.
- Conducted Cybersecurity theme hackathon with around 150+ participants covering topics of Digital Safety, Decentralized intrusion detection tools and many more.

## CERTIFICATIONS:

### Real-Time Threat Detection and Mitigation (New York University)

[Link](#)

### EC-COUNCIL CEHv12

[Link](#)

### IBM Cybersecurity Compliance Framework, Standards & Regulations

[Link](#)

### IBM Cyber Security Analyst

[Link](#)

### ISO/IEC 27001:2022 INFORMATION SECURITY ASSOCIATE

[Link](#)