

Vismaya Vinod Nair

+91 8330010082 — vismayav2xx4@gmail.com — LinkedIn — GitHub — Portfolio

Education

VIT Bhopal University

Sep 2022 – Present

B.Tech. in Cybersecurity and Digital Forensics

CGPA: 8.34/10

Technical Skills

- **Core:** Python, Java, SQL, React.js, Node.js, Firebase, REST APIs.
- **Cybersecurity:** Linux, SIEM, Burp Suite, OWASP ZAP, IAM, Incident Response, Threat Intelligence, Wireshark.
- **Tools:** Git, Docker, AWS, Canva, Figma.

Professional Experience

Cybersecurity Analyst Intern – Arada Developments

Nov 2024 – Dec 2024

Dubai, UAE

- Executed vulnerability assessments using Security Information and Event Management (SIEM) dashboards and threat models, reducing risk exposure by 30%.
- Conducted penetration testing via Burp Suite, Open Web Application Security Project ZAP (OWASP ZAP), and Kali Linux; discovered and remediated 15+ Common Vulnerabilities and Exposures (CVEs).
- Streamlined incident response by configuring Web Application Firewall (WAF) and Domain Name System Security Extensions (DNSSEC) for 100+ networked assets.

Projects

CYPICS – Crime Reporting Mobile App [GitHub](#)

May 2025

- **Cybersecurity Project** – Created an Android app to anonymously report crimes securely and efficiently.
- Engineered Android app with Firebase Authentication to log 30+ secure crime reports in real time.
- Improved emergency alert delivery by 40% via SOS feature integration.
- Implemented anonymized reporting and encryption, aligning with OWASP mobile best practices.

Coverless Image Steganography Tool [GitHub](#)

May 2024

- **Cybersecurity Project** – Built a data-hiding tool that uses coverless steganography for secure and covert communication.
- Orchestrated image steganography using OpenCV and NumPy; improved data concealment by 35%.
- Achieved 95.6 Peak Signal-to-Noise Ratio (PSNR) with undetectable payloads across 50+ test cases.
- Mapped process to MITRE ATT&CK data exfiltration tactics for adversarial simulation.

UNITY SERVE – NGO Empowerment Platform [GitHub](#)

Apr 2023

- **Full Stack Development:** Built a React.js and Node.js web platform to streamline donation processes for NGOs
- Implemented secure authentication with Firebase and integrated payment processing via Razorpay API
- Designed role-based access control (RBAC) system for admin, NGO staff, and donor user types
- Utilized Firestore database for real-time data management and deployed on Vercel hosting
- Conducted user testing with 3 local NGOs and incorporated feedback for UX improvements

Certifications

IBM Cybersecurity Analyst, EC-Council: Digital Forensics Essentials

Leadership Experience

Media & Marketing Co-Lead – Cyber Warriors Club

Apr 2024 – Present

VIT Bhopal

- Organized 5+ cybersecurity workshops and webinars; led campaigns increasing social engagement by 40%.
- Spearheaded outreach strategy that boosted club membership by 25% in one semester.

Core Creative Team – Mozilla Firefox Club

Nov 2023 – Present

VIT Bhopal

- Designed 10+ digital posters and managed campaigns for open-source events, reaching over 500+ students.

Achievements

10% Scholarship – AlgoUniversity Accelerator Camp; Ranked 18th in Graph Contest.

TCS CodeVita Season 12: Global Rank 2822/8765.