SHANTANU VARTAK

Mail | LinkedIn | Github | Portfolio

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, Bengaluru, IN   *Jul' 2024 – Present*
Post-Graduate Program (PGP) | Cyber Security Specialization |
Relevant Coursework: Cloud Security, Database Management Systems, Python

SYMBIOSIS SKILLS AND PROFESSIONAL UNIVERSITY, Pune, IN   *Aug' 2020 – Jun' 2024*
Bachelor of Technology (B.Tech.) CS/IT | Cyber Security Specialization | GPA: **8.9/10**
Relevant Coursework: Cryptography, Malware Analysis, OSINT, Identity and Access Management

EXPERIENCE

SUMA SOFT PVT. LTD., Pune, Maharashtra, IN | **Security Analyst Intern**   *Jun' 2023 – Dec' 2023*
- Conducted thorough Vulnerability Assessment and Penetration Testing (VAPT) on client systems, identifying critical security vulnerabilities and providing actionable mitigations to enhance system security and reduce potential threats.
- Collaborated with cross-functional teams to document findings and security recommendations, ensuring seamless communication of vulnerabilities and their resolutions, contributing to overall system hardening and improved organizational security posture.

INVASYSTEMS INC., Pune, Maharashtra, IN | **Android Application Development Intern**   *Jun' 2022 – Jul' 2022*
- Designed and developed a full-stack Android-based in-house ticketing system using Java, MySQL, Node.js, and Express.js, streamlining issue reporting and resolution for employees and administrators.
- Implemented role-based access and real-time status tracking, improving internal support response time and enhancing operational efficiency across departments.

ERNST & YOUNG, Remote, IN | **Cyber Security Intern**   *Aug' 2021 – Sep' 2021*
- Recommended tailored security best practices for clients across various sectors by researching and analyzing cybersecurity frameworks including ISO 27001, NIST SP 800-53, NIST CSF standards.
- Assisted in the development of governance and compliance strategies by mapping organizational risks to industry frameworks, enhancing clients' information security posture and audit readiness.

PROJECTS

DeCap (Decentralized Capital) | GitHub   *Nov' 2024*
- Developed a semi-decentralized banking web application using Solidity smart contracts and Node.js to tackle global challenges of financial inclusion, transparency, and trust in traditional banking systems—empowering users with secure fixed-deposit and peer-to-peer loan-lending capabilities.
- Integrated end-to-end security protocols including JWT-based authentication, HTTP security headers, and hashed credential storage in MongoDB to ensure data integrity, privacy, and compliance with fintech security standards.

Donate Now | GitHub   *Nov' 2024*
- Built a blockchain-powered charity web application using Next.js, Node.js, and Solidity to solve the global issue of donation fraud and lack of transparency by ensuring traceable, tamper-proof fund transfers via smart contracts and MetaMask wallet verification.
- Implemented JWT-based authentication, secured Express.js APIs, and managed donor and campaign data using MongoDB to ensure secure user access, data integrity, and transparent campaign management.

SKILLS

Cyber Security Skills

Vulnerability Assessment, Penetration Testing, Web Application Security, Network Security, API Security Testing, Malware Static and Dynamic Analysis, Security Consultation

Programming Skills

Android Development, Java, Solidity, Python, C, C++, NodeJS, SQL, R, HTML, CSS

Tools

Burp Suite, WireShark, Nmap, Postman, GitHub, Android Studio, VS Code, IntelliJ IDEA, PyCharm, Remix IDE, JIRA, Metasploit, OpenVAS, Nessus, Nexpose, Kali Linux, Virtual Box, Aircrack-ng, Veil Framework, Maltego

CERTIFICATIONS

Network Ethical Hacking | UDEMY | Credential Link   *Nov' 2020*
Ethical Hacking from Scratch | UDEMY | Credential Link   *Jul' 2021*