

Kalyan Gopalam

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Education

REVA University, Bachelor of Computer Applications

Sept 2021 – Aug 2024

- **GPA:** 8.41/10; Member of Cyber Security Club and IOT Club, School of Computer Science and Applications.
- **Relevant Courses:** Cybersecurity, Ethical Hacking, Problem-Solving using C, Java Programming, Python Programming, Digital Logic and Computer Architecture, Data Structures using C, Object-Oriented Programming using C++, Operating Systems with Linux, Web Technology, Advanced Web Technologies.
- **Project Works:** Bounty Hawk (Final Year Project), Food Delivery App (Mobile App Development), Customer Relation Ship Management (Java Full-Stack Developer Program – Sonata).

Technical Skills

Languages: Python, JavaScript, Bash, Ruby, C, PHP, C++, Java, Go, SQL, Dart, GraphQL, Typescript.

Frameworks: React.js, Node.js, Flask, Django, Spring Boot, Flutter.

Platforms: AWS, Firebase, VMWare, Visual Studio, VirtualBox, WordPress, Android Studio.

Tools: Git, GitHub, MySQL, MongoDB, PostgreSQL, Docker, Nmap, Metasploit, BurpSuite, Wireshark, SqlMap.

Skills: OWASP Top 10, Penetration Testing, Vulnerability Assessment, Secure Coding, Code Review, REST APIs, Cryptography, Threat Modeling, API Security, Blockchain Security.

Experience

Security Researcher, (Hackerone)

Aug 2023 - Present

- Actively engaged in identifying and reporting security vulnerabilities in web applications, APIs, and software platforms, discovering critical issues like IDOR and XSS on high-profile systems.
- Utilized tools such as Burp Suite, OWASP ZAP, and Nmap for penetration testing and vulnerability assessments, contributing to improved security.

Java Full Stack Developer (Internship), (Sonata, REVA University)

Jan 2024 – Apr 2024

- Developed a Customer Management System using Java and MySQL, improving data handling and operational efficiency, and earned a certificate of excellence for performance.
- Gained hands-on experience in full stack development using Eclipse, with a focus on frontend and backend technologies, recognized through an internship completion certificate.

Projects And Papers

Bounty Hawk: Automated Reconnaissance

- Developed Bounty Hawk, a bug bounty hunting tool that automates vulnerability detection and streamlines security reporting for web applications.
- Integrated advanced penetration testing techniques into Bounty Hawk to identify and assess vulnerabilities effectively.
- Enhanced bug bounty workflows by incorporating automated exploit validation and comprehensive security testing features into Bounty Hawk.

Certifications And Awards

- **Certified Ethical Hacker (CEH) Certification (v10):** Gained knowledge in ethical hacking techniques and vulnerabilities.
- **Cybersecurity Job Simulation (Master Card):** Analyzed and identified which areas of the business needed more robust security training and implemented training courses and procedures for those teams
- **Security Researcher at Hackerone:** For ethically reporting security bugs and received bounties/appreciations
- **First Class, Bounty Hawk Project (Final Year Project):** Built an application that automates Reconnaissance and discovers vulnerabilities based on Nuclei Templates.
- **Java Full Stack Developer (Sonata):** Built a scalable, high-performance CRM web application using Java, Spring Boot, and modern front-end technologies.

Extra Co-Curricular

- Organized and led the PUC Science Exhibition, showcasing IoT projects as a volunteer and active member of the IoT Club.
- Competed in the District Level Chess Competition, securing 3rd place.
- Participated and presented projects in the Solana Hacker House and REVA Hack hackathons from 2022 to 2024.