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, Data Structures and Algorithms, Object-Oriented Programming, Operating Systems with Linux, Web Technology, Advanced Web Technologies.
- **Project Works:** Bounty Hawk (Final Year Project), Food Delivery App (Mobile App Development), Customer Relationship Management (Java Full-Stack Developer Program – Sonata Software).

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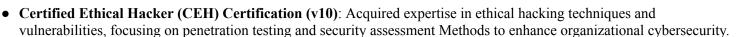- Developed a Customer Management System using Java and MySQL, improving data handling and operational efficiency, and earned a certificate of excellence for performance.
- Gained hands-on experience in full stack development using Eclipse, with a focus on frontend and backend technologies, recognized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

Projects And Papers

Bounty Hawk: Automated Reconnaissance & Vulnerability Discovery
- 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)**: Acquired expertise in ethical hacking techniques and vulnerabilities, focusing on penetration testing and security assessment Methods to enhance organizational cybersecurity.
- **Cybersecurity Professional Certification (Google):** Completed eight hands-on courses, gaining proficiency in Python, Linux, SQL, SIEM tools, and IDS, with a focus on identifying and mitigating cybersecurity risks and vulnerabilities.
- **Microsoft Cybersecurity Analyst (Microsoft):** Completed professional-level training in cybersecurity concepts, threat mitigation strategies, and Azure security tools, culminating in a comprehensive business network protection proposal.
- **Introduction to Cyber-Security (NYU):** Developed a strong foundation in cybersecurity concepts, covering attack vectors, defense mechanisms, and key security protocols.
- **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 High-School IoT Exhibition, showcasing IoT projects as a volunteer and 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.
- Achieved 1st place in Valorant at an intra-university competition, representing the E-Sports club.