Preetham Prasad

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Education

Vellore Institute Of Technology, Bhopal Aug 2022 – Aug 2026 (exp)
- Course: B.Tech in Computer Science and Engineering, Specialization in Cybersecurity and Digital Forensics
- CGPA: 8.84/10.0

Sri Chaitanya PU College, Bengaluru (12th) June 2021 – May 2022
- Course: PCMC (Physics, Chemistry, Math, Computer Science)
- Percentage: 74%

SJR Public School, Bengaluru (10th) June 2019 – May 2020
- Board: CBSE
- Percentage: 83%

Skills and Tools

Cybersecurity Tools
- Kali Linux
- Burp Suite
- Nmap
- Wireshark
- Airodump-ng
- Metasploit
- WpScan

Languages & Platforms
- C++
- SQL
- AWS

Web Development
- HTML
- CSS
- JavaScript
- React
- Node.js/Express.js
- MongoDB

Certifications and Achievements

- 50 Days of Code on Leetcode (Leetcode)
- AWS Solutions Architect, Ethnus (Ongoing)
- MERN Full Stack Development, Ethnus (Ongoing)
- NPTEL Cyber-Physical Systems Certification May 2024
- Google's Bits and Bytes of Computer Networking, Coursera Dec 2023
- Offensive Bug Bounty Hunting Certification, Udemy Jan 2023

Projects

Fact Scan Github
- Developed an NLP-based tool for fake news detection, analyzing language patterns.
- Evaluated and selected optimal machine learning models for accurate fake news detection.
- Tech Stack: Jupyter notebook, Python, scikit-learn, Data minimization, SVM, Linear regression.

Static and Dynamic Vulnerability Detection in CI/CD Environment Github (SAST) / Github (DAST)
- Built a secure CI/CD pipeline, integrating SAST (SonarQube) and DAST (OWASP ZAP) with GitHub Actions for a Node.js application. Automated detection of code-level and runtime vulnerabilities, generating HTML/JSON reports.
- Exposed local applications using ngrok/Cloudflare to enable remote DAST scanning via OWASP ZAP/Wapiti.

Restaurant Reservation and Ordering System Github
- Deployed a Restaurant Reservation and Ordering System on AWS, utilizing Elastic Beanstalk, EC2, RDS (MYSQL), and S3 for core infrastructure.
- Enhanced system security by meticulously configuring AWS Security Groups for network access control, demonstrating foundational cloud security practices and secure application deployment.

Additional Information

Languages: English, Kannada, Hindi
Hobbies: Understanding New Technologies, Playing Tennis, Watching F1.