

Preetham Prasad

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Github: github.com/Preetham1674

Education

Vellore Institute of Technology, Bhopal <ul style="list-style-type: none">• Degree: B.Tech in Computer Science and Engineering• Specialization Cybersecurity and Digital Forensics• CGPA: 8.85/10.0	Aug 2022 – Aug 2026 (exp)
Sri Chaitanya PU College, Bengaluru (12th) <ul style="list-style-type: none">• Stream: PCMC (Physics, Chemistry, Math, Computer Science)• Percentage: 74%	June 2021 – May 2022
SJR Public School, Bengaluru (10th) <ul style="list-style-type: none">• Board: CBSE• Percentage: 83%	June 2019 – May 2020

Work Experience

Cybersecurity Intern <ul style="list-style-type: none">• Performed comprehensive security assessments on simulated networks, successfully identifying and documenting over 10+ critical vulnerabilities. Executed and analyzed 5+ controlled cyberattack simulations.• Developed expertise in industry-standard tools such as Nmap, Wireshark, and Burp Suite, while conducting in-depth research on multiple high-impact Common Vulnerabilities and Exposures (CVEs).	Feb 2025 – Mar 2025 <i>The Red Users (Virtual Internship)</i>
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Projects

Fact Scan <ul style="list-style-type: none">• Created an NLP tool for detecting fake news by analyzing linguistic patterns in over 1,000 articles.• Improved detection accuracy by 15% through evaluation and implementation of top machine learning models.• Tech Stack: Python, scikit-learn, SVM, Linear Regression.	Github
Static and Dynamic Vulnerability Detection in CI/CD Environment <ul style="list-style-type: none">• Developed and implemented a secure CI/CD pipeline that integrates SAST with SonarQube and DAST using OWASP ZAP for comprehensive security analysis of a Node.js application.• Automated vulnerability detection and report generation in HTML and JSON formats using GitHub Actions.	SAST / DAST
Restaurant Reservation and Ordering System <ul style="list-style-type: none">• Deployed a restaurant reservation and ordering system on AWS using Elastic Beanstalk, EC2, RDS (MySQL), and S3.• Implemented AWS Security Groups to enforce strict access controls, enhancing deployment security	Github

Skills

Cybersecurity Tools: Kali Linux, Burp Suite, Nmap, Wireshark, Airodump-ng, Metasploit, WpScan
Web Development: HTML, CSS, JavaScript, React, Node.js/Express.js, MongoDB
Languages & Platforms: C++, SQL, AWS, Git

Certifications

• AWS Solutions Architect, Ethnus	July 2025
• MERN Full Stack Development, Ethnus	July 2025
• NPTEL Cyber-Physical Systems Certification	May 2024
• Offensive Bug Bounty Hunting Certification, Udemy	Jan 2023

Additional Information

Languages: English, Kannada, Hindi

Hobbies: Exploring emerging technologies, Playing Tennis, Watching Formula 1