Abhinav Srivastava

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Education

Vellore Institute of Technology, Bhopal, Madhya Pradesh   Aug 2022 – Aug 2026
- Course: B.Tech in Computer Science and Engineering with speciliazation in Cyber Security and Digital Forensics
- CGPA: 9.05/10.0

Jawahar Navodaya Vidyalaya, Sonikpur, Barabanki, Uttar Pradesh (12th)   Jul 2020 – Jul 2021
- Course: PCM (Physics, Chemistry, Mathematics)
- Board: Central Board of Secondary Education(CBSE)
- Percentage: 95.8%

Jawahar Navodaya Vidyalaya, Gauriganj, Amethi, Uttar Pradesh (10th)   Jul 2019 – Jul 2020
- Board: Central Board of Secondary Education(CBSE)
- Percentage: 94.6%

Work Experience

Cybersecurity Intern, The Red Users (Virtual Internship)   Feb 2025 – Mar 2025
- Conducted over 5 cyber attack simulation exercises to evaluate and strengthen the security defenses of virtual enterprise networks.
- Gained hands-on experience with Nmap, Wireshark, and Burp Suite by assessing 20+ network segments and analyzing recent Common Vulnerabilities and Exposures (CVEs) to identify potential threats.

Projects

FACT SCAN   Github Repo
- Developed an NLP-based tool for fake news detection using language pattern analysis and evaluated multiple machine learning models to identify the most accurate solution, tested on over 10,000 news articles
- Used Python, scikit-learn, SVM, and Linear Regression to evaluate models, achieving up to 92% accuracy.

Static and Dynamic Vulnerability Detection in CI/CD Environment   Github(SAST) Github(DAST)
- Built a secure CI/CD pipeline using GitHub Actions, integrating SAST (SonarQube) and DAST (OWASP ZAP) for automated detection of code-level and runtime vulnerabilities with detailed reports.
- Enabled remote DAST scanning by exposing local apps via ngrok/Cloudflare, using OWASP ZAP and Wapiti to perform dynamic vulnerability assessments.

GuideLink   Ongoing
- Developing a mobile app using React Native and Expo, along with a web version built in React.js, aimed at helping travelers connect with local guides through a simple interface.
- Implementing Firebase Authentication for secure user login and session management, targeting 99.9% uptime.

Skills

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

Certifications

- NPTEL Cyber Physical Systems   May 2024
- IBM Cyber Security Analyst   Aug 2025
- IBM DevOps Fundamentals   Aug 2025
- IBM Agile Methodologies   Aug 2025
- IBM DevOps, Agile & Design Thinking   Aug 2025

Additional Information

Languages: English, Hindi
Hobbies: Playing Badminton, Enjoy following political news