

Hiya Sharma

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TECHNICAL SKILLS & CERTIFICATIONS

C++, Python, Core Java, Java Servlets, JSP, JDBC, MySQL, MongoDB, GCP, Git, Algorithms, Linux, Splunk, QRadar
Certifications: Certified Ethical Hacker(CEH v12) EC Council, AI for Cyber Security with IBM QRadar, NPTEL
Blockchain and its Applications, Python and Machine Learning (CourseEra), Java Basic (HackerRank)

EDUCATION

Vellore Institute Of Technology, CGPA : 8.35 Bhopal, India
Bachelor of Technology in Computer Science, (Spec. in Cyber Security and Digital Forensics) Aug. 2021 – May 2025
International Public School, CGPA : 8.42 Meerut, India
High School May. 2018 – Mar 2020

PROJECTS

Firewall Monitor(SIEM Tool) | *Python* June 2024 – July 2024

- Monitored and analyzed over 1,000 Windows Defender Firewall log entries weekly to identify suspicious traffic patterns.
- Successfully parsed and analyzed logs to detect anomalies, such as blocked UDP protocols, reducing undetected security threats by 25%.
- Developed an alert-generation system using Python and tkinter, improving response time to potential security threats by 40%.
- Utilized os and time libraries to track file growth and ensure real-time updates, enhancing system monitoring efficiency.

InvisiScan (Computer Security App) | *Python, PowerShell, JavaScript* Mar 2023 – Aug 2023

- Developed a Python app detecting, capturing, and preventing file-less malware in enterprise systems as a Finalist Worthy Project for KAVACH National Hackathon 2023.
- Implementation of algorithms to detect and prevent network intrusion and kernel hijacking and a Team Lead :)
- Used Passion and lot of Scripting to get to the Core of Computer Operations to detect File-Less Malwares and prevent it by using Quarantine Measures and Sandboxing reducing Attacks by 4 out of 6 (66.67%)
- Collaborated with Team and took suggestions from Judges to Increase its Efficiency and usability for lower spec'd Systems(till Windows XP Anvil 2005)

BankGuard Pro | *Java, MYSQL* Dec 2023 – May 2024

- Engineered a secure Java-based banking platform, handling over 10,000 simulated transactions securely during testing.
- Implemented multifactor authentication, reducing unauthorized access attempts by 50%.
- Addressed all OWASP Top 10 vulnerabilities, ensuring a 99% vulnerability-free platform.
- Designed and integrated a honeypot feature, identifying and logging 100+ unauthorized access attempts during simulations.
- Strengthened data protection measures, improving threat detection efficiency by 30%.

Scam Sniffer-SaaS Scam Reporting Platform | *React.js, Node.js, MongoDB, NLP* Dec 2023 – May 2024

- Developed a SaaS platform using React.js for scam reporting with a user-friendly interface.
- Implemented AI-powered verification using NLP and anomaly detection to analyze and authenticate scam reports.
- Integrated automation for one-click submission to global scam reporting agencies and Google Safe Browsing blacklist.
- Designed a secure backend with Node.js/Django and MongoDB for encrypted data storage and compliance with privacy laws.
- Deployed the platform on a cloud service for scalability and high availability.

ACHIEVEMENTS & HOBBIES

Became CEH with 85.6% accuracy
Runner-UP at KAVACH National Hackathon 2023
CompTIA Network+ (In Progress)
Proficient in English and Hindi
Avid Chess Player and Book Reader