

Ayush Monga

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EDUCATION

VIT Bhopal University <i>B.Tech. in CSE (Cyber Security and Digital Forensics)</i>	<i>CGPA: 8.89 / 10</i>	2022–2026
Delhi Public School Bhopal <i>CBSE Board – Class XII</i>	<i>Percentage: 91%</i>	2022
Delhi Public School Bhopal <i>CBSE Board – Class X</i>	<i>Percentage: 91.2%</i>	2020

TECHNICAL SKILLS

C/C++, Python, MySQL, JavaScript, PHP, React.js, Kali Linux, Git, Node.js, MongoDB, Express.js, PowerBI.

WORK EXPERIENCE

Information Security Intern <i>Maulana Azad National Institute of Technology (MANIT), Bhopal</i>	Dec 2024 – Feb 2025
<ul style="list-style-type: none">Deployed and configured over 20 advanced cybersecurity tools across 7 domains under the ISEA project, enhancing lab readiness and audit preparedness.Delivered a practical workshop session covering secure coding practices and digital forensics workflows, engaging 50+ students and faculty through hands-on tool demonstrations in a virtual lab setup.	

PROJECTS

Malware Analysis <i>Kali Linux, Ghidra, Flare-VM, Radare2, Oracle VirtualBox</i>	<i>October 2024</i>
<ul style="list-style-type: none">Performed static analysis on a Linux-based ransomware sample using Ghidra, revealing over 80 internal functions including custom encryption logic.Utilized Radare2 to map control flow and dissect obfuscated payloads, identifying key modules responsible for file locking and ransom demand display.Recovered and decoded 25+ hidden binary strings using Flare-VM, uncovering command-and-control (C2) server details and embedded shellcode.	
TrackMyItem <i>React.js, Node.js, Express.js, MongoDB, Cloudinary API, Google Maps API</i>	<i>March 2025</i>
<ul style="list-style-type: none">Developed a robust MERN-based lost and found portal tailored for universities, enabling secure item posting and recovery with role-based access control.Implemented Cloudinary API for optimized image uploads and retrieval, ensuring high-quality visual references for lost and found items.Integrated Google Maps API to capture and visualize geolocation data, enhancing traceability and context-aware search of reported items.	
CodeMate <i>React.js, Node.js, Express.js, MongoDB, Gemini API, NodeMailer</i>	<i>May 2025</i>
<ul style="list-style-type: none">Designed and deployed an AI-driven ticketing platform using the MERN stack with secure, role-based access for Admins, Users, and Moderators.Integrated Google Gemini API to process natural language programming queries and generate automated, context-aware guidance.Built a skill-based ticket routing engine that dynamically assigns queries to Moderators based on expertise.	

EXTRA-CURRICULAR

- Vice President, Mozilla Firefox Club – VIT Bhopal: Led and organized 5+ university-level tech events.
- Certified Cybersecurity Analyst by IBM, with hands-on skills in threat detection and mitigation.
- Winner, Project Expo at VITB Industrial Conclave – Best Cyber-Physical System project and ranked in Top 5 out of 25+ teams overall.
- Selected for Student Internship Program (SIP) 2024 with Bhopal Police Commissionerate for cybercrime research.
- Cricket Sports Lead – Organized inter-college tournaments and represented VIT Bhopal in 5+ inter-college tournaments and managed training sessions.