Sarthak Gupta

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Education

VIT Bhopal University	Bhopal, Madhya Pradesh	
B. Tech	Sep 22 – May 26	Cumulative GPA: 8.34/10

Computer Science and Engineering, Specialization in Cyber Security and Digital Forensics

12th Standard

Macro Vision Academy	Burhanpur Madhya Pradesh
CBSEPercentage:75%	Jul 22

10th Standard

Macro Vision Academy	Burhanpur Madhya Pradesh
CBSE Percentage: 73%	Jul 20

Projects

IoT based Vulnerability Scanner and Automated exploitation Framework   **Aug 23- Oct 23**

- Description:
  - ➢ The IoT-Scanner is an innovative project that addresses the growing concerns regarding the security of Internet of Things (IoT) devices. With the rapid expansion of IoT devices across various industries.
  - ➢ AISE is a comprehensive tool designed to automate the detection of IoT devices on a network, identify vulnerabilities, and provide mitigation strategies.
- Technology/Tools:
  - ➢ CenSys, Shodan, Hydra, Nmap, Masscan

Fine-tuned Vulnerable System for Penetration Testing Education in Universities   **Feb 24 – May 24**

- Description:
  - ➢ This project focuses on improving cybersecurity education by creating intentionally vulnerable virtual machines (VMs) for practical training.
  - ➢ Through pre-configured VMs, students gain hands-on experience in penetration testing.
  - ➢ The project aims to address challenges in setting up virtual environments for cybersecurity education and offers a secure, customizable, and educational platform.
- Technology/Tools:
  - ➢ Nmap, Nikto, Wireshark, Burp Suite, SMB Connectors, C++, Python, NetCat, HashCat

Work Experience.

C++ Intern at Cod Soft   Jan 24 – Feb 24

- Engaged in a real-time c++ internship, actively developing and implementing c++ products for real-world applications.
- Debugged and resolved complex software issues, improving application performance and reliability.
- Optimized existing codebase, resulting in a 20% increase in application speed.

Skills and Certifications

Technical Skills: Java, Python, HTML, CSS, C++ .

Security Tools – Autopsy, Recon-ng, Maltego, N-map, Censys, NumPy.

Soft Skills: Communication, Teamwork, Leadership, Problem-solving, Conflict-Management

Languages: English, Hindi.

Certifications & Training:

- Online Course on Computer Networking (Coursera)(Google) – Dec 23
- Full Stack Development With Industrial Application-15-16 Feb 24
- Foundations of Cyber-Physical Systems (NPTEL) – Secured 63% Certificate – Apr 24.
- Foundation of Cybersecurity(Coursera)(Google)