

Abhinendra Singh Chauhan

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👤 Summary

B.Tech CSE (Generative AI) student of Microsoft skilled in Python, Java, C/C++, My SQL, Cyber and Network Security(Basics), AI tools, and cloud platforms Microsoft Azure and Google Cloud Certified. Built projects in intrusion detection, WiFi security, automation, scraping, and AI assistants. Strong interest in problem-solving and real-world systems.

🎓 Education

Lovely Professional University

B.Tech Computer Science & Engineering, Specialization: Generative AI | **CGPA: 8.0**

Jalandhar, Punjab

2024–Present

Modern Academy Inter College

Senior Secondary (ICS)

Lucknow, Uttar Pradesh

2024

Score: 82%

Modern Academy Inter College

Secondary (ICSE)

Lucknow, Uttar Pradesh

2022

Score: 85%

</> Projects

Intrusion Detection System (IDS) — CyberSecurity:

- Real-time packet capture + 7 attack detections (DoS, SYN Flood, Port Scan, UDP/ICMP Flood, Brute Force).
- Live dashboard with alerts, logs, threat levels.
- BPF filtering + multi-interface support.
- Tech: Python, Flask, Scapy, WebSocket, HTML/CSS/JS.

WiFi Security Analyzer — Network Security :

- Scans WiFi networks, analyzes encryption, risks, and audit history.
- REST API + Chart.js dashboard + JSON/CSV export.
- Secure API (Bearer token), PyWiFi scanning, pytest automation.
- Tech: Python (Flask), SQLite, JS, PyWiFi, Chart.js.

Nexus AI — Personal AI Assistant:

- Local AI assistant using Ollama (Mistral) + web search + product scraping.
- Automated DuckDuckGo search (Playwright) + BeautifulSoup scraping.
- Chat UI + CSV/JSON export + scoring for accurate answers.
- Tech: Python (Flask), Playwright, Ollama, JS, HTML/CSS.

Food Order Management System - C:

- Menu-driven ordering, billing, and inventory.
- Concepts: structures, arrays, file handling.

Weather Forecast Web App - Python:

- Real-time weather using OpenWeatherMap API.
- Tech: Flask, Python, REST API, HTML/CSS.

🔧 Skills

Programming: Python, C, Java, JavaScript, HTML, CSS, React JS, Node JS, MySQL

AI & Tools: GPT Models, Ollama, API Integration

Automation: Playwright, Selenium

Cloud: Microsoft Azure (AZ-900, AI-900, DP-900), Google Arcade

Core CS: Data Structures & Algorithms, System Design, Android Studio (Basics), CyberSecurity, Network Security, Operating System(Terminal)

Soft Skills: Communication, Teamwork, Adaptability

Methodologies: Design Thinking

🌟 Certifications

Microsoft Azure Fundamentals (AZ-900)

Microsoft Azure AI Fundamentals (AI-900)

Microsoft Azure Data Fundamentals (DP-900)

♥ Hobbies

Writing, Driving, Traveling