

# Abhinendra Singh Chauhan

Lucknow – Uttar Pradesh – India

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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

<b>Lovely Professional University</b> <i>B.Tech Computer Science &amp; Engineering, Specialization: Generative AI / CGPA: 8.0</i>	<b>Jalandhar, Punjab</b> 2024–Present
<b>Modern Academy Inter College</b> <i>Senior Secondary (ICS)</i> Score: 82%	<b>Lucknow, Uttar Pradesh</b> 2024
<b>Modern Academy Inter College</b> <i>Secondary (ICSE)</i> Score: 85%	<b>Lucknow, Uttar Pradesh</b> 2022

## </> 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

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Writing, Driving, Traveling