Ayushman Kumar Singh

LinkedIn | GitHub | LeetCode
ayushmanks1845@gmail.com

EDUCATION

B.Tech Computer Science Engineering minors in Cyber Security VIT Bhopal University, CGPA: 8.66/10.00	**Sep 2022 – May 2026**
12th Standard, Swaraj India Public School, Kanpur ISC percentage 81%	**May 2022**
10th Standard, Swaraj India Public School, Kanpur ICSE percentage 82%	**May 2020**

TECHNICAL SKILLS

Python, SQL, HTML, CSS, JavaScript, Flutter, Node.js, Pandas, Git, GitHub, VS Code, MySQL, SQL Server, and Docker

WORK EXPERIENCE

Front End Developer **Oct 2024 – Dec 2024**

Gagahealth Private Limited ↗

- Integrated REST APIs into the front-end interface using Flutter / deart
- Designed and implemented user onboarding screen flow in Flutter, reducing sign-in time by 60% and increasing retention by 25%.
- Diagnosed and resolved 15+ UI/UX issues using cross-browser testing and responsive design tools.
- Used Git and GitHub for collaborative version control with >95% successful merges.

PROJECTS

Mockly – GenAI Mock Test Platform

- Developed a smart AI-driven quiz application that intelligently converts educational PDFs and plain text content into dynamic, personalized mock tests for students and competitive exam aspirants.
- Engineered a robust backend pipeline in Python to perform PDF parsing, detect and extract MCQs, and generate new context-based MCQs using natural language processing techniques.
- **Tech Stack:** Flutter, Python, Flask, HTML, JavaScript

Walmart Sparkathon – Voice-Powered Shopping Assistant

- Built a fully voice-activated mobile shopping assistant that enables users to interact with a virtual storefront hands-free, significantly improving accessibility and user experience in retail environments.
- Developed natural language understanding flows using Dialogflow and integrated voice commands for real-time search, adding/removing products to cart, navigating product categories, and seamless checkout.
- **Tech Stack:** Flutter, Dart, Dialogflow

Adobe Hackathon – PDF Insight Engine

- Built an innovative GenAI-powered system that intelligently analyzes lengthy and complex research PDFs, performing semantic understanding and summarization to highlight core ideas and extract key points.
- Implemented advanced NLP techniques combining NLTK and transformer-based embeddings to link concepts across multiple sections and documents using cosine similarity metrics.
- **Tech Stack:** Python, NLTK, LangChain

ACHIEVEMENTS AND EXTRACURRICULAR

Fellow, MAD (Make A Difference) Fellowship – Lucknow Chapter **Mar 2025 – Present**

- Mentored 10+ underprivileged students through school selection, scholarship support, and life skills.
- Coordinated monthly workshops on tech literacy and career awareness.

Student Coordinator – Internship & Cyber Safety Hackathon **Jan 2025 – Sep 2025**

- Conducted cyber safety awareness sessions across 6 colleges.
- Organized and judged a national hackathon with 350+ team entries.
- Created evaluation rubrics, shortlisted top 10 teams, and facilitated mentor reviews.

Smart India Hackathon (MHRD) **Aug 2024 – Dec 2024**

- Developed AYUSH Startup Registration Portal using MERN Stack for central database and onboarding.
- Handled user login, admin verification, and multi-form workflow using MongoDB and Node.js.

CERTIFICATIONS

- IBM GenAI using Watsonx	Apr 2025
- Data Analyst Bootcamp – Power BI, Excel, SQL	Apr 2025
- Google IT Support – Computer Networking	Dec 2023