Aayush Mishra

simplyaayush17@gmail.com | +91 9023937581 | **Github Profile** | **LinkedIn Profile**

SUMMARY

Tech enthusiast skilled in Python, C, and C++. Passionate about problem-solving and software development, with hands-on experience in building projects and participating in national hackathons. eager to work collaboratively and adapt quickly to new challenges.

EDUCATION

S.R.M Institute of Science and technology   Kattankulathur, Chennai

Bachelor of Science in Computer Science   May 2023 – May 2027
  - CGPA: 9.15

TECHNICAL SKILLS

- **Programming Languages**: Python, C, C++, Java, git, github
- **Soft Skills:** Leadership, Problem-Solving, Team Work
- Areas of Interest: Web Development, DSA, AI

CERTIFICATIONS

- CS50's Introduction to Programming with Python.
- Programming In Java by NPTEL.
- Introduction to Front End by Meta.

RELATED EXPERIENCE

Samsung Prism   Samsung R&D Institute India, Bangalore
REMOTE   November 2024 – Present
- Contributed to the development of an AI-driven FCAPS correlation system for network anomaly detection using LLMs such as LLaMA and Mistral; implemented synthetic data generation using CTGAN to simulate realistic NE (Network Element) parameter patterns, enhancing model training and robustness for KPI-based fault analysis.

PROJECTS

Smart Environmental Monitoring and Safety System

- Worked as part of a team to build an IoT-based safety system using ESP32, combining temperature/humidity sensors (DHT11), gas sensors (MQ series), and a door sensor to monitor room conditions and detect fire or gas leaks in real time.
- Helped expand the original idea into a more impactful solution addressing broader safety concerns, with real-time alerts and alarm triggers

Hospital Management System

- Designed and implemented a Hospital Management System using DBMS concepts with SQL for data storage and retrieval, ensuring efficient handling of patient records, appointments, and medical staff details.
- Developed CRUD operations and relational schema for key modules like patient registration, doctor assignment, diagnostics, and billing; ensured data integrity through primary/foreign keys and normalization.

EXTRA CIRICULAR

- Actively volunteered in organizing **Ultron 7.0**, a university-level ideathon, contributing to event coordination and management..
- Member of **Futurix**, the official association of the Computer Technology Department.