

Aayush Mishra

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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

Bachelor of Science in Computer Science

Kattankulathur, Chennai

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

REMOTE

Samsung R&D Institute India, Bangalore

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.