Satyam Mishra

CSE- Internet of Things

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Profile Summary

A proactive and dedicated Software Engineer in the making, seeking a position to leverage my skills and abilities in software development and IoT technologies for the growth of the organization while building a strong professional career. Adept at collaborating with teams and delivering reliable and optimized solutions.

Education

Bachelor of Technology (2021-2025)
Sagar Institute of Science, Technology & Engineering, Bhopal - MP
CSE- Internet of Things
Current CGPA: **7.86**

Senior Secondary (2021)
Bal Bharti Hr. Sec. School, Bhopal - M.P.
86.6 % | State Board

High School (2019)
Bal Bharti Hr. Sec. School, Bhopal - M.P.
84.8 % | State Board

Key Technical Skills

- Programming Languages: C, C++, Python, Dart
- Frameworks: Flutter
- Embedded Systems: MicroPython, ESP32
- Tools & Platforms: Firebase, Data Structures & Algorithms
- Web Development: HTML, CSS, PHP, SQL
- Software Engineering Practices: Problem Analysis, Solution Design, Code Optimization

Projects

Home Automation

- Technology: MicroPython, ESP32, Firebase
- Developed a three-tiered IoT-based Home Automation system with real-time monitoring.
- Integrated sensors and actuators for temperature and gas monitoring.
- Created Web and Flutter Mobile Apps for remote control and optimized user experience.
- Played a key role in system integration, testing, and deployment.

Smart Parking Management System

- Technology: MicroPython, ESP32, Firebase
- Implemented an IoT-based smart parking solution to optimize space utilization.
- Utilized sensors and real-time data for parking availability and mobile app features for booking and monitoring.
- Enhanced system scalability and user experience with efficient data handling.

Criminal Database Management System

- Technology: HTML, CSS, PHP, SQL
- Developed a web-based system for managing criminal records with an intuitive user interface.
- Integrated PHP and SQL for secure database connectivity and accurate data management.
- Added functionalities for registration, advanced search, and data maintenance.

Certifications & Trainings

- Cloud Computing: Completed a 12-week course from the National Programme on Technology Enhanced Learning (NPTEL).
- Embedded with Cloud Workshop: Attended a 9-day workshop at SISTec-R, Bhopal.
- Communication Skills: Certified course from TCS-iON.

Co-Curricular Activities & Accolades

- 1st Prize in SIH 2.0 for an IoT project, showcasing expertise in innovation and teamwork.
- Vice-Chairperson of the ISTE.
- Active participant in college-level coding competitions.

Interpersonal Skills

- Strong verbal and written communication
- Effective team collaboration
- Quick learner with a problem-solving mindset

Hobbies

- Coding and exploring new technologies
- Traveling and experiencing diverse cultures