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<https://github.com/RiyasShaik>

Career Objective

Motivated and technically skilled undergraduate with strong foundations in Computer Science, IoT, and Software Systems. Passionate about leveraging technology to create innovative solutions with real-world impact. Seeking opportunities to apply my skills and grow in a dynamic environment.

Technical Skills

- Programming Languages: C, C++, Python, JavaScript
- Web Development: HTML, CSS, JavaScript (Basics)

- **Data Structures & Algorithms:** Arrays, Linked Lists, Trees, Graphs, Dynamic Programming, Greedy Algorithms
- **Systems Knowledge:** Computer Architecture, Memory Hierarchy, Assembly Basics
- **IoT & Embedded Systems:** ESP32, Arduino IDE, Sensors & Actuators, MQTT, ThingSpeak, OM2M
- **Software Tools:** Postman, Git, VS Code
- **Concepts:** Object-Oriented Programming (OOP), Discrete Mathematics (Logic, Sets, Graph Theory), Operating Systems Basics
- **Version Control:** Git & GitHub

Academic Background

B.tech in CSE– IIIT Hyderabad

2024 – Present

Relevant Courses: Data Structures and Algorithms, Introduction to Software Systems, Introduction to IoT, Discrete Structures, Computer Systems Organization, Linear Algebra, Real analysis, Digital Systems and Microcontrollers.

Projects & Achievements

SMART BIN Project

- Designed and developed a smart waste management system using IoT technologies.
 - Integrated sensors and ESP32 microcontroller for real-time monitoring of waste levels.
 - Project won several accolades for innovation and sustainability.
 - Recognized with awards for contributions to environmental science and technological innovation.
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Leadership & Extracurricular Activities

National Cadet Corps (NCC)

- Earned recognition for leadership, discipline, and community service.
- Developed key skills in teamwork, time management, and responsibility.
- Received awards for excellence in leadership and service.
- Experience has significantly shaped character and academic success.

Recognition & Awards

- Awards for innovation and sustainability in Science Fair and INSPIRE projects.

- Recognized by NCC for excellence in leadership and national service.
