

# Chaithanya Sai Krishna

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## Summary

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Motivated and detail-oriented software and embedded systems enthusiast with experience in IoT-based projects, backend development, and application development. Skilled in Python, C, SQL, HTML, CSS, and Embedded C with strong analytical and problem-solving abilities. Adept at data handling, research, and process improvement. Seeking to leverage technical expertise and attention to detail in challenging roles within software development and emerging AI technologies.

## Experience

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### Actrofit InfoTech Company

Aug 2025 – Present

Backend Developer Intern, Anantapur

- Training in backend development using PHP and MySQL.
- Learning database design, query writing, and server-side scripting.
- Exposure to SDLC, debugging, and problem-solving in real-time projects.

### Rooman Technologies

Feb 2025 – Apr 2025

Application Development Intern, Anantapur

- Assisted in developing and testing web and mobile applications.
- Worked with front-end (HTML, CSS, JavaScript) and back-end (Python/Java/PHP) technologies.
- Gained experience in databases (MySQL/SQL) for managing application data.

## Projects

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### Smart LPG Gas

#### Fire Detection System (IoT)

- Architected an end-to-end IoT safety solution with real-time gas/fire detection.
- Integrated cloud-based alert system (Telegram) and automated actuator control.
- Applied modular programming and sensor data handling.

### Placement Reports Management System (Web)

- Built a web-based CRUD application to manage placement records.
- Developed responsive frontend, backend authentication, and SQL queries.

### Obstacle-Avoiding Robot

- Implemented sensor-based navigation logic and real-time motor control.
- Optimized embedded code for obstacle handling.

### Anti-Sleep Alarm for Drivers

- Designed a low-power embedded device with movement-triggered alerts.
- Implemented event-driven code structure using modular C functions.

## Education

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### **B.Tech – Electronics and Communication Engineering**

Sri Venkateswara Institute of Technology, 2021 – 2025

**Intermediate (MPC)** – Narayana Junior College, 2019 – 2021

**SSC** – Narayana Concept School, 2018 – 2019

## Skills

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**Programming:** Python, C, SQL, HTML, CSS, Embedded C, Java

**Frameworks/Technologies:** IoT Web Development, OOP

**Tools/IDEs:** Arduino IDE, VS Code, Eclipse, Postman

**Microcontrollers/Platforms:** Arduino UNO, ESP32, STM32 (Nucleo C031C6), Wokwi

**Databases:** MySQL

**Operating Systems:** Windows

**Professional:** Fast Learning, Adaptability, Critical Thinking, Research, Confidentiality, Process Adherence, Problem-Solving, Attention to Detail, Teamwork, Documentation, Multi-tasking, Ownership, Process Improvement

## Achievements

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**2nd Place** – Circuit Design Competition, College Fest

**Publication:** Innovative Technologies Transforming The LPG Sector, IJSREM, 2025