

Potharaboina Saikrishna

Arepally | saikrishnapotharaboina@gmail.com | 9390020642 | linkedin.com/in/potharaboina-saikrishna
github.com/potharaboina

Personal Profile

Highly motivated and results-driven Electronics and communication engineering undergraduate student. Eager to apply my knowledge and skills in software engineering to contribute effectively to innovative projects. Seeking opportunities in Electronics ,Software development and Python Development to further develop and enhance my expertise.

Education

- SR University** , B.Tech. in Electronics and communication engineering NOV 2021 - Mar 2025
- GPA: 7.07/10
 - **Coursework:** Specialized in Data structures and algorithms ,Python, Signals and systems, Analog circuit analysis, LinearIntegrated circuits ,VLSI, Digital Electronics, MicroControl Application, Digital signal processing, Analog and digital communications

Technologies

Languages: C, Java, HTML, CSS, Python, JavaScript

Projects

WEATHER REPORT WEB APPLICATION FEB 2025

- Developed a web-based weather app that delivers real-time updates via API, based on the location or search of the user. Displayed temperature, humidity, wind speed, and forecasts with a dynamic user interface.
- Tools used: | HTML, CSS,JAVASCRIPT

FIREBASE-INTEGRATED IOT ROBOTICS SYSTEM (ESP8266) MAR 2025

- Developed an **IoT Robotics system** using **ESP8266** for real-time control and monitoring. **Integrated Firebase for cloud-based communication and data storage**, enabling seamless interaction between the robot and remote users. The system supports features such as remote control, real-time status updates, and data logging, providing a robust solution for remote robotics management.
- Developed a **Firestore-integrated IoT robotics system using ESP8266 in VS Code**, leveraging REST API for real-time data exchange and remote control. Enabled seamless monitoring, command execution, and automation via a web interface.
- Tools Used: Arduino IDE, Firebase Realtime Database, HTML/CSS, JavaScript,MQTT

Bank Security Alarm NOV 2024

- Developed a Bank Security Alarm System using electronic gates, sensors, and microcontrollers to detect unauthorized access. Integrated real-time alerts and automated locking mechanisms for enhanced security.
- Tools used:Electronic gates,Embedded C, TinkerCad

SMART LEARN HUB NOV 2024

- Developed Smart Learn Hub in Java, an interactive e-learning platform with personalized course recommendations, progress tracking, and real-time assessments. Implemented a user-friendly interface for seamless learning experiences.
- Tools used:JAVA

Bank management system MAR 2023

- Developed a web-based financial system in C for secure transactions and payment processing. Implemented account management, fund transfers, and real-time transaction tracking with robust security.
- Tools used:C