

# SHAIK ABDUL RAHIMAN

+91 7981244581    skabdulrahiman539@gmail.com    [linkedin.com/in/ShaikAbdulRahiman](https://www.linkedin.com/in/ShaikAbdulRahiman)

## Professional summary

---

A Proactive and technically skilled **electronics and communication** student with expertise in **embedded systems, IoT, and communication protocols**. Experienced in **PCB design, microcontroller programming, and system integration**, with active involvement in technical clubs and collaborative projects. Passionate about creating innovative electronics solutions and contributing to impactful, real-world applications.

## Education

---

### GMR Institute Of Technology

*Bachelor of Technology in Electronics and Communication Engineering |*

GPA: 8.1 (TILL DATE)

**Expected May 2027**

*Rajam, Andhra Pradesh*

### DR. B. R. Ambedkar G.M.R. Polytechnic Collage

*Diploma in Electronics and Communication Engineering | GPA: 87%*

**May, 2024**

*Bommuru, Andhra Pradesh*

### ST Ann's High School

*Secondary School Certificate | GPA: 85%*

**2021**

*Chintapalli, Andhra Pradesh*

## Work Experience

---

### CEMS – Center of Excellence in Maritime and Shipbuilding

*Summer Intern - IoT and Microcontroller Systems*

**June, 2025**

*Visakhapatnam, Andhra Pradesh*

- Gained hands-on experience in sensor integration, IoT platforms (Node-RED, Blynk, ThingSpeak).
- Built mini-projects using Arduino and ESP8266 targeting real-world industrial use cases.
- Learned practical IIoT applications and cloud communication.

## Technical Skills

---

**Languages:** C, Embedded C, Python, Java

**Microcontrollers:** Arduino, ESP32, ESP8266

**Developer Tools:** Arduino IDE, EasyEda, Blynk, ThingSpeak

**Protocols:** MQTT, Modbus, SPI, I2C, UART

## Projects

---

### Smart Bus Pass Verification System

**2025**

- ESP32, RFID, Firebase, JS
- Automated RFID-based passenger validation with LCD balance display.
- Real-time sync to Firebase with logs exported to Google Sheets.

### Air Quality monitoring System

**2024**

- DHT11, MQ-2, and MQ-135
- Built a low-cost, portable system for air quality monitoring.
- Integrated an LCD module for on-device data display, providing instant feedback.

## Achivements

---

- Achieved **1st Prize** and 10,000 cash award at **STEPSTONE 2025**, GMRIT's National Level Tech Fest.
- Secured **3rd Prize** and 3,000 at ANITS College Tech Fest, Visakhapatnam.
- Secured **1st Prize FIFA**(robo soccer) at ANITS College Tech Fest, Visakhapatnam.

## Leadership / Extracurricular

---

**IETE Student Chapter, GMRIT**  
*Student Coordinator*

**2024 - Present**  
*Rajam, Andhra Pradesh*

- Organized tech events, workshops, and seminars for engineering students.
- Led volunteer teams and collaborated with faculty for outreach.

**Robotic Club, GMRIT**  
*Club Coordinator*

**2024 - Present**  
*Rajam, Andhra Pradesh*

- Mentored juniors in robotics and embedded systems design.
- Conducted robotics competitions and project exhibitions.

**IEEE Member, GMRIT**  
*Member*

**2025 - Present**  
*Rajam, Andhra Pradesh*

- Contributing to professional networking and knowledge exchange in emerging technologies.
- Participated in IEEE events and workshops to strengthen skills in electronics.

**Place:** Rajam

**Date:** 12/02/2026

**SHAIK ABDUL RAHIMAN**