SHAIK ABDUL SALMAN

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SKILLS

- **Programming:** C, Java, Python, **Embedded C**
- **Core Concepts:** Object-Oriented Programming (OOPS)

PROJECTS

Anti-Sleeping Alarm Glasses using IR Sensor | *Arduino Uno, Embedded C* Aug 2023 – Sept 2023
- Designed a **drowsiness detection system** using IR sensors to monitor eye movement patterns.
- Implemented an **instant audible alert** mechanism using Arduino-based signal processing.
- Integrated a **relay-based safety stop** to prevent accidents by triggering vehicle control signals.

Obstacle Avoiding Car using Ultrasonic Sensor | *Arduino IDE, Embedded C* Jun 2024 – Jul 2024
- Built an **autonomous robotic car** using Arduino Uno with ultrasonic and IR sensors.
- Enabled **long-range and close-range obstacle detection** using HC-SR04 and IR sensors.
- Achieved **real-time navigation** with automatic directional control.

Home Automation System | *Arduino IDE, Embedded C* Apr 2025 – Jun 2025
- Developed a **microcontroller-based automation system** for smart appliance control.
- Used **relays and sensors** for real-time monitoring and control.
- Improved **energy efficiency, safety, and user convenience**.

INTERNSHIP

Skill Dzire Jun 2024 – Jul 2024
Embedded Intern
- Built a **Bluetooth-controlled car** using Arduino and L298N motor driver.

Microlink Information Technologies Apr 2024 – Jun 2024
Embedded Intern
- Developed a **Home Automation System** using sensors and relays for safe appliance control.

ACHIEVEMENTS

- **First Prize** in College-Level Project Expo.
- Participated in **Hackathon 2023**.

EDUCATION

Potti Sriramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology 2022 – 2026
*B.Tech in Electronics and Communication Engineering, **CGPA: 6.95*** India
Narayana Junior College 2020 – 2022
*Intermediate MPC, **CGPA: 7.66*** India