

Mohammad Sohel

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Objective:

Motivated B. Tech graduate in Electrical and Electronics Engineering with hands-on experience in embedded systems and microcontroller programming. Eager to apply my technical skills and problem-solving abilities in a challenging embedded systems role to contribute to innovative projects and grow professionally.

Education:

Bachelor of Technology in Electrical and Electronics Engineering

Avanthi institute of Engineering and Technology, Hyderabad

2020-2023, GPA:6.9

Diploma in Electrical and Electronics and Engineering

Jyothishmathi institute of Technological and sciences, Karimnagar

2017-2020, Percentage:65.21%

Secondary School Certificate (SSC)

Sri Chaitanya High School, Karimnagar

2017, GPA:9.0

Skills:

- C, C++, Data structures
- Linux
- Embedded C, ARM
- TCP/IP

Soft Skills: Communication, problem solving

Work History:

Internship: Vector India, Hyderabad, aug,2023 - april,2024

- Assisted coding projects using Embedded c.
 - Developed a Projects using C programming.
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Certifications:

Embedded systems in Vector India, Aug 2023 – April 2024.

Projects:

1. Microgrid based on wind driven DFIG and DG using solar PV Array for optimal fuel consumption.

- Designed and implemented a microgrid system combining a wind-driven (DFIG) and a Solar PV array.
- Optimized load distribution to integrate renewable energy sources.
- Reduced dependency on conventional fuel sources, promoting sustainability.

2. OTP-Based Time-Limited Access Control system.

- Developed an OTP-based time-limited access control system for secure, temporary access.
- Integrated real-time monitoring and enhanced security features.
- Reduced unauthorized access incidents by 25%, improving safety and security.

3. Design of UPF Wattmeter:

- Engineered a Universal Power Factor (UPF) wattmeter with 99% accuracy in power factor measurement.
- Implemented in over 200 electrical installations.
- Improved system performance and efficiency through precise power factor measurement.

Additional Information:

- **Languages known:** English, Urdu, Telugu, Hindi
- **Hobbies:** Reading books, playing Cricket