FAWAZ AHMED

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in LinkedIn Profile | ⊙ Github Profile

Chennai,Tamil Nadu-India

OBJECTIVE

Highly-Motivated individual with a strong desire to take on new challenges. Adept at working effectively unsupervised and quickly mastering new concepts.Seeking an entry-level role to apply knowledge and hands-on experience to contribute to innovative projects and real-world problem-solving. Quick learner with a strong work ethic and adaptability.

EXPERIENCE

- **Company A [⊕]**   *Month Year - Month Year*
  Job Title A   City, Country
  ◦ Developed [specific achievement] achieving [specific metric] in [specific area]
  ◦ Implemented [technology/method], enhancing [specific aspect] by [specific percentage]
  ◦ Conducted analysis on [specific data], identifying [key findings]
  ◦ Presented findings at [specific event], receiving [specific recognition]

EDUCATION

- **Vellore Institute of Technology(VIT)**   *May 2025*
  B.Tech Electronics and Communication Engineering   Chennai, India
  ◦ GPA:

- **Ideal Indian School**   *May 2021*
  Secondary Education   Doha, Qatar
  ◦ GPA: 84

PROJECTS

- **IoT-Based Drinking Water Quality Monitoring System**   *March 2024 - May 2024*
  Tools: ESP32, TDS/EC Sensor, DS18B20 Sensor, OLED Display, Thingspeak IoT Platform   [⊙]
  ◦ Developed an IoT-based system to monitor drinking water quality by measuring electrical conductivity and temperature, and implemented real-time data transmission to the Thingspeak platform by integrating ESP32 with TDS/EC and DS18B20 sensors.
  ◦ Created a display for water quality parameters on an OLED screen, ensuring compliance with WHO standards for safe drinking water, and applied sensor integration techniques to analyze water quality parameters.

- **Real-Time Prediction and Optimization of Solid Waste Generation Patterns**   *August 2024 - November 2024*
  Tools: Python, Google colab, Kaggle Datasets   [⊙]
  ◦ Developed a predictive and optimization framework for urban solid waste management using SARIMA, XGBoost, and Meta-Regressor, achieving high accuracy in forecasting waste generation patterns and optimizing waste collection schedules.
  ◦ Implemented real-time data processing and feature engineering using Kaggle datasets, handling large-scale time-series data to support decision-making and improve model performance with Optuna-based hyperparameter tuning.

SKILLS

- **Programming Languages:** C programming, python
- **Cloud Technologies:** AWS (Amazon Web Services)
- **DevOps & Version Control:** Git, Github
- **Mathematical & Statistical Tools:** Matlab-Simulink
- **Other Tools & Technologies:** Visual Studio Code(VSC),Microsoft Office Suite (Word, PowerPoint)

CERTIFICATIONS

- **AWS Certified Cloud Practitioner (AWS CP)**   *February 2024*
- **AWS Certified Solutions Architect – Associate (SAA)**   *October 2024*
- **MATLAB Onramp**   *July 2023*