Muhammad ALi

Islamabad | malipallandri@gmail.com | 0341-9472681 | linkedin.com/in/sardar-ali-maqsood

github.com/alimaqsoodahmed

Education

COMSATS University Islamabad, BS in Electrical Engineering   Sept 2018 – Mar 2023
AU University Islamabad, MS in Artificial Intelligence   Jan 2024 – Feb 2026

- GPA: 3.2/4.0
- **Coursework:** Algorithms, Machine Learning, Neural Network, Deep Learning , Computer Vision, Natural Language Processing

Experience

Research Scholar ,As a research graduate I learn   Mar 2024 – Present

- Data Extraction From files , Data Analysis ,Data Cleaning and make data in structure form.
- Understand Problem and how to apply the right Technique.
- Make Training Pipeline for Tracking and Monitoring
- Working of Large Language Model how LLMs Generate Text,

Projects

Intelligent IOT-Connected Peltier Heater for Enhanced Thermal Management   sep 2021 - May 2022

- Peltier-based electric heater using ESP8266, integrated sensors, and Blynk app for remote IoT control and precise thermal regulation.

Real-Time Energy Demand Forecasting   Final Year Project BS EE

- Developed a ML model using Smart Meters and sensor data to predict energy consumption peaks in commercial buildings, enabling proactive energy management and cost reduction.
- Tools Used: Python , PyTorch , Google Colab ,

Real-Time Air Quality Index Prediction Using Deep Learning   2002

- A deep learning system that accurately forecasts urban AQI in real time by fusing sensor and meteorological data for proactive pollution control.
- Tools Used: Python , Sklearn , PyTorch , Google Colab

Technologies

Languages: C++, Python , PyTorch , Pandas , NumPy , Scikit Learn , Matplotlib

Libraries: Pandas , NumPy , Scikit Learn , Matplotlib , PyTorch

Skills: Data Analysis , Pipeline Building , Experiment Tracking , Problem Solving , Critical Thinking