Hammad Javed

AI/ML Engineer | Data Scientist | Software Developer

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🌐 Portfolio: portfolio-hammad.vercel.app

Professional Summary

AI/ML Enthusiast with 3+ years of hands-on experience in software development, data analytics, and IIoT systems. Currently pursuing a Master's in Data Science to deepen expertise in machine learning, predictive modeling, and real-time data analysis. Proven track record of developing ML models, production dashboards, and energy analytics systems. Eager to contribute to impactful AI-driven solutions within a fast-paced, innovation-led environment.

Technical Skills

• Programming Languages: Python, JavaScript, SQL, PHP

• AI/ML Libraries: Scikit-learn, TensorFlow, Keras, Prophet, Statsmodels

• ML Techniques: Regression, Time-Series Forecasting (ARIMA, SARIMAX), Random Forest, Feature Engineering

• Data Tools: Pandas, NumPy, Matplotlib, Seaborn, Jupyter Notebooks

• Data Handling: MongoDB, MySQL, MQTT, REST APIs

• Development: Next.js, Node-RED, TailwindCSS, Bootstrap, HTML/CSS

• Version Control: Git, GitHub

• Additional: IoT/IIoT Systems, Real-time Data Processing, Alarm & Trend Monitoring

Education

Master’s in Data Science — Information Technology University (2024 – Present)

Bachelor’s in Business & Information Technology — University of Engineering & Technology (2019 – 2023)

Professional Experience

Software Engineer | Data Analyst

SA Hamid & Co., Lahore | June 2022 – Present

• Developed AI-powered dashboards integrating real-time and historical industrial data.

• Applied ML algorithms for predictive analysis in manufacturing systems.

• Collaborated with cross-functional teams to build smart solutions using cloud APIs and MQTT brokers.

Projects

Solar Production Prediction Using Machine Learning

• Built ML models (ARIMA, SARIMAX, Prophet, Random Forest) using weather data to forecast solar energy.

• Applied feature engineering, normalization, and model tuning for accurate predictions.

Energy Monitoring Dashboards

• Designed AI dashboards for Smart City, Naubahar, Pepsi, and GCL to track energy flow and optimize usage.

• Integrated solar/generator data with real-time analytics for actionable energy insights.

Digital Downtime Monitoring System – Interloop

• Developed a fault monitoring system tracking machine performance with MTTR and MTBF analysis.