OMER FAIZAN

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EDUCATION

Montclair State University **New York, USA**
Masters in Data Science (Ongoing)
Concentration: Data Science, Machine Learning
Honors &Awards: Departmental Scholarship on performance

SKILLS | COURSEWORK

- **Languages:** Python, C++, R, Bash Script, Java, Assembly Language
- **Databases:** MySQL, MongoDB
- **Cloud Platforms:** AWS, Microsoft Azure
- **Software:** MATLAB, Jupyter, Arduino Create, Vivado, Excel, Power Bi, Tableau, Xilinx, R Studio, Kaggle, Keras, TensorFlow
- **Python Libraries:** Numpy, Pandas, Math, Sickit-learn, Matplotlib, Seaborn, Scipy, OpenCV, NLTK, XGBoost, Theano

COURSEWORK: Programming Fundamentals | Databases | Cloud & DevOps | MLOps | DSA | Statistics & Probability | Computer Networks | ECA

EXPERIENCE

Digitales **Lahore, Pakistan**
Junior Data Scientist *May 2024 – April 2025*

- Assisted in developing forecasting algorithms and machine learning models using Python and Scikit-learn, achieving promising accuracy levels in predictive tasks.
- Contributed to the design of Tableau dashboards for stakeholders, improving accessibility to real-time insights and aiding decision-making processes.
- Streamlined data workflows using Pandas and NumPy, reducing processing time and improving team efficiency.
- Analyzed large datasets to identify trends and provide actionable insights that supported team objectives.
- Utilized statistical methods to process and interpret data, contributing to business analyses and supporting strategic initiatives.

Future Vision **Remote**
Data Science Intern *Oct 2023 – Feb 2024*

- Assisted in gathering, cleaning, and organizing datasets from diverse sources to ensure data quality and readiness for analysis.
- Performed exploratory data analysis to identify patterns, trends, and actionable insights to support decision-making.
- Designed interactive visualizations and dashboards to effectively communicate data insights to stakeholders.
- Developed and implemented machine learning models, including regression, classification, and clustering algorithms.
- Collaborated with cross-functional teams and documented workflows to support seamless project execution and knowledge sharing.

QuantSight – Real-Time Stock Trend Forecasting System **Montclair, NJ**
Project Lead *Oct2025 – Nov 2025*

- Developed QuantSight, a live intraday stock-signal engine achieving 78% predictive accuracy, 0.80 precision, and 0.81 F1-score on continuation vs. reversal forecasting across 300 tickers.
- Built an event-study framework evaluating post-volume-spike & CAAR trends, enabling statistically robust signal validation across large-cap tech equities.
- Engineered an event-study module detecting volume-spike anomalies and computing t+1/5/10 returns, 10-day CAAR sequences, and sample sizes across multi-year datasets
- Automated generation of research-grade reports with LLM-generated technical narratives, predictive signal interpretation, peer-benchmarking, and market diagnostics; delivering complete quant insights in <5 seconds per run.

ACTIVITIES

- Won Best Project Award in Engineering Discipline **April 2023**
- Treasurer – Data Science Club **February 2022**
- Sports Head – Computer Engineering Sport Society **March 2023**

CERTIFICATION | COURSES (Completed and Ongoing)

- BigQuery for Google Analytics – Google Cloud
- Machine Learning Specialization – Stanford University
- Advanced Natural Language Processing (NLP) – MIT
- Statistics for Big Data – University of Washington