

Zohreh Nikkhah

Data Scientist / Analyst

Phone: +44 7951642050

Email: zohreh.nikkhah1984@gmail.com

GitHub: github.com/Zohreh6384NKH

LinkedIn: linkedin.com/in/zohreh-nikkhah

Tableau: [Profile - zohreh.nikkhah](#) | [Tableau Public](#)

Summary

Data Scientist with hands-on experience in data analysis, statistics, predictive modeling, BI dashboards, and ETL pipelines. Skilled in using Python, SQL, Power BI, and Tableau to support business operations, optimize reporting, and data-driven decisions.

Skills

SQL • Python (Pandas, Scikit-learn) • Power BI • Tableau • ETL • Time-Series Forecasting • Root Cause Analysis • Excel (Advanced) • JIRA • Microsoft Project

Experience

Minimus AI / Data Scientist / Analyst

Nov 2024 – Present - San Francisco Bay Area - Remote

- Developed **machine learning models** to predict daily energy output of AI datacenters powered by renewable energy (solar, wind), using historical weather, energy production, and operational data.
- Achieved **20-25% accuracy improvement** in forecasting models using advanced architectures (Transformers, XGBoost, CNN-RNN)
- Designed **analytics dashboards** to monitor energy efficiency, carbon footprint, and energy cost per AI workload, helping optimize the green performance of AI supercomputing clusters.
- Built **ETL pipelines** to integrate energy sensor data (solar radiation, temperature, humidity, power output) with operational data for real-time monitoring and decision support.

Pegah Aftab Software Company / Data Analyst

(2016 – 2022)

- Developed predictive models for financial forecasting and equipment failure detection using Python libraries
- Designed automated data pipelines (**SQL, Pandas**) for real-time analytics in finance and maintenance **KPIs**
- Built interactive dashboards (**Power BI, Tableau**) to support data-driven decision-making
- Applied **anomaly detection** techniques to identify irregularities in energy consumption and production
- Developed predictive models for equipment failure detection, reducing unplanned downtime by ~25%.
- Developed **ETL workflows** to clean and transform large datasets for business analysis, and cut manual reporting time by ~65%.

National Iranian Gas Transmission Company (NIGTC) / Project Control Engineer

(2013 - 2016)

- Utilized **Microsoft Project** to plan, track, and control project schedules — including, critical path analysis, earned value tracking, and KPI reporting

Education

M.Sc., Computer Science & Engineering (Applied AI), Aston University (2024) - Certified with outstanding thesis

M.Sc., Industrial Engineering, Tehran Science and Research University

B.Sc., Applied Mathematics, Damghan University of Science