

George Skartados

Data Analyst

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Projects

Energy Demand Forecasting — Data Center Load

GitHub

- Developed a 30-day energy demand forecasting model in Python to support capacity planning and cost estimation scenarios.
- Cleaned and transformed time-series datasets, engineered lag and calendar features, and prepared data for performance monitoring.
- Designed a Power BI dashboard to track peak vs. baseline load and support operational decision-making.

Solar Energy Forecasting Dashboard

GitHub

- Built an hourly solar generation forecasting model improving baseline accuracy by 12%.
- Structured and analyzed production data to identify daily and weekly performance patterns.
- Delivered a Power BI dashboard comparing forecast vs. actual output for reporting purposes.

Credit Card Fraud Detection

GitHub

- Developed classification models to detect rare fraud events in highly imbalanced transaction datasets.
- Improved fraud detection performance by reducing false positives by 15%.
- Evaluated model results using precision, recall, and business risk trade-offs.

Professional Job Simulations

Forage Virtual Experiences (BCG X, Lloyds, Quantum, Tata)

- Performed SQL-based customer and revenue analysis to support retention and marketing decisions.
- Built dashboards to monitor KPIs including churn, campaign performance, and risk indicators.
- Presented structured analytical findings aligned with business objectives.

Skills

Technical Skills

- SQL
- Python
- Power BI, Excel
- Git

Core Skills

- Structured analytical problem solving
- KPI definition and reporting
- Data cleaning and transformation
- Reporting and stakeholder communication

Certifications

- IBM Data Science Professional Certificate
- IBM Data Analyst Professional Certificate
- SQL Associate — DataCamp
- Forage Virtual Experiences (BCG X, Lloyds, Quantum, Tata)

Languages

- Greek — Native
- English — Fluent