

# George Skartados

Data Analyst — SQL • Python • Power BI  
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## Projects

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### Energy Demand Forecasting — Data Center Load

GitHub

- Built a 30-day energy demand forecasting model in Python (Prophet) to support capacity planning and operational monitoring.
- Cleaned and transformed time-series datasets, engineered lag and calendar features, and validated model performance.
- Designed a Power BI dashboard to monitor peak vs. baseline load and support data-driven decisions.

### Credit Card Fraud Detection

GitHub

- Developed classification models to detect rare fraud events in highly imbalanced transaction datasets.
- Reduced false positives by 15% while maintaining high recall to support risk-sensitive decision-making.
- Evaluated model performance using precision, recall, and cost-based trade-offs.

### Solar Energy Forecasting Dashboard

GitHub

- Forecasted hourly solar generation and improved baseline accuracy by 12% using Python modeling techniques.
- Structured and analyzed production data to identify daily and weekly performance patterns.
- Built a Power BI dashboard comparing forecast vs. actual output for clear reporting.

## Analytical Experience

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### Forage Virtual Experiences (BCG X, Lloyds, Quantum, Tata) — Remote

- Performed SQL-based customer and revenue analysis to support retention and risk-related decisions.
- Built dashboards to monitor churn, campaign performance, and anomaly indicators.
- Translated analytical findings into structured summaries for non-technical stakeholders.

## Technical Skills

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- SQL (data extraction, aggregation, validation)
- Python (pandas, scikit-learn, Prophet)
- Power BI, Excel
- Git

## Certifications

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- IBM Data Science Professional Certificate
- IBM Data Analyst Professional Certificate
- SQL Associate — DataCamp