

# George Skartados

Data Analyst SQL • Excel • Power BI

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## Projects

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### Energy Demand Forecasting — Data Center Capacity Planning

GitHub

*Power BI, Data Analysis*

- Modeled global data center energy demand scenarios to assess capacity planning implications.
- Evaluated renewable adoption scenarios, quantifying ~70% emissions reduction potential.
- Delivered an interactive Power BI dashboard for regional comparison and reporting.

### Credit Card Fraud Detection — Imbalanced Classification Modeling

GitHub

*Python (Random Forest, SVM, Logistic Regression, KNN)*

- Analyzed 284,807 transactions (0.17% fraud rate) in a highly imbalanced dataset.
- Built multiple models; Random Forest achieved ~90.6% F1-score.
- Evaluated performance using ROC curves and cost-based trade-offs.

### Solar Energy Forecasting — Time-Series Modeling & Reporting

GitHub

*Python (Prophet), Power BI*

- Cleaned hourly solar generation data to improve forecast reliability.
- Built a 7-day Prophet forecasting model.
- Delivered a Power BI dashboard comparing historical and forecasted output.

## Experience

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### BCG X, Lloyds, Quantum, Tata (Virtual Projects)

Remote

- Performed SQL-based customer and revenue analysis supporting retention and campaign optimization.
- Defined KPIs including churn rate, campaign performance, and anomaly indicators.

### Artillery Officer — Hellenic Army

Jan 2020 – Mar 2021

- Led and supervised a team ensuring operational readiness and accountability.
- Coordinated planning, task allocation, and structured reporting.

## Education

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### National & Kapodistrian University of Athens

Studies in Automation Engineering Technology

## Skills & Certifications

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### Technical Skills

- SQL, Python
- Power BI, Excel
- Git, GitHub

### Certifications

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

### Languages

- Greek (Native)
- English (Fluent)