# Osman Orka

Senior Data Analyst | Business Intelligence & Predictive Analytics | $5M+ Profit Impact | Python - SQL - Power BI -ML

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## Professional summary

Results-driven Data Analyst with expertise in predictive analytics, automation, and business intelligence. Proven track record of delivering 35% efficiency gains and $500K–$5M profit optimization through data-driven solutions in operations, forecasting, and performance analytics. Experienced in ETL pipeline design, data governance, and advanced analytics to transform data into actionable insights. Expert in Python, SQL, Power BI, and machine learning with 95%+ forecast accuracy achievements.

## Employment history

### Senior Data Analyst & Business Intelligence Consultant, 2023 - Present
*Freelance, Melbourne, Victoria, Australia*

• Delivered end-to-end analytics projects across sports, energy, and real estate sectors, generating $500K-$5M profit optimization through predictive modeling

• Engineered Power BI dashboards and Streamlit applications, reducing decision-making cycle time by 40%

• Built ML models (Random Forest, XGBoost, ARIMA) achieving 95%+ forecast accuracy for energy demand prediction

• Automated data pipelines using Python/SQL/Azure, eliminating 80+ manual hours/month in data processing

### Senior Data Analyst & Business Intelligence Consultant, 2012 - 2015
*Australian Intercultural Society, Melbourne, Victoria, Australia*

• Automated reporting dashboards using Excel VBA, reducing manual data collection time by 35% across 15+ community events

• Analyzed 5,000+ participant engagement metrics, delivering insights that increased program enrollment by 22%

- Analyzed large data sets to extract actionable insights, driving strategic decisions and enhancing overall business performance.
- Implemented data visualization tools, leading to substantial improvements in stakeholder reporting and data comprehension.

### Data Analyst & Business Intelligence Analyst, 2007 - 2009
*Star Community Newspaper , Melbourne, Victoria, Australia*

• Deployed Python/SQL/Excel VBA dashboards with CircSmart-style circulation tracking, reducing manual reporting by 40+ hours/month

• Tracked subscriber lifecycle metrics (acquisition, engagement, renewal) using circulation management systems, achieving 92% retention rate

## Education

### Advanced Diploma Computer Science & Development, Oct 2023 - Feb 2025
*Coder Academy, Australia*

Completed Australia's only Higher Education-accredited coding bootcamp, specializing in full-stack web development, data engineering, and software architecture. Curriculum focused on Python, SQL, JavaScript (MERN stack), database design, API integration, cloud deployment (AWS/Azure), and agile project management. Graduated with portfolio of production-ready applications demonstrating end-to-end software development lifecycle and data pipeline automation.

### Bachelor of Science in Industrial Engineering & Operations Research, Jun 1997 - Aug 2001
*Kocaeli University, Turkey*

Specialized in data modeling, statistical analysis, operations optimization, and quantitative decision-making — foundational skills directly transferable to modern data analytics. Coursework included linear programming, forecasting methods, database systems, and process automation, establishing analytical mindset and problem-solving frameworks applied throughout data analytics career.

## Courses

### Professional Data Science Certification , Dec 2024 - Mar 2025
*IBM*

### Professional Data Analyst Certification , Sep 2024 - Apr 2025
*Google*

**DP-900**

*Azure*

## Skills

Python *(Expert)*, SQL *(Expert)*, VBA *(Experienced)*, JavaScript *(Experienced)*, Power BI *(Expert)*, Tableau *(Experienced)*, Excel *(Expert)*, Streamlit *(Expert)*, Pandas *(Expert)*, NumPy *(Expert)*, Scikit-learn *(Experienced)*, Statistical Modeling *(Experienced)*, Time Series Analysis *(Experienced)*, Predictive Analytics *(Expert)*, ETL Pipelines *(Expert)*, Data Governance *(Experienced)*, API Integration, Workflow Automation *(Experienced)*, Azure *(Experienced)*, AWS *(Experienced)*, PostgreSQL *(Expert)*, MySQL *(Expert)*, Git *(Expert)*, Docker *(Experienced)*.

## Links

LinkedIn: linkedin.com, GitHub: github.com, My Website: www.osmanorka.com.

## Languages

English *(Highly proficient)*, Turkish *(Native)*.