Daniel Osman

Eindhoven, Netherlands - Jeddah, Saudi Arabia

P: +31 644799364 | **E:** Danielosman5@gmail.com | **LinkedIn:** //daniel-osman22 | **Github:** Daniel5452

SKILLS

Core Skills: Analytical Problem-Solving | Critical Thinking | Data-Driven Decision Making | Cross-functional Collaboration | Stakeholder Engagement | Client Communication | Project Management | Process Optimization | Strategic Recommendations | Quantitative Analysis | Hypothesis Development | Implementation Support | Adaptability | International Experience | Multitasking | Time Management

Technical Skills: Python, R, SQL | Statistical Analysis, Time Series Forecasting | Excel | Data Visualization (Matplotlib, Seaborn, Dash) | Process Optimization Tools | ETL Pipelines, API Development | Git | Supply Chain Analytics | Operations Research | Predictive Modeling | MLOps

Languages: Fluent in Arabic and English; Basic Dutch

EDUCATION

Univeristy of Amsterdam (The Netherlands)   Amsterdam, The Netherlands
Masters of Science in Data Science and Business Analytics   **(Expected) July 2026**

Eindhoven University of Technology (The Netherlands)   Eindhoven, The Netherlands
Bachelor of Science in Data Science   **August 2022 - July 2025**
Relevant Coursework: Data Statistics, Data Analytics, Linear Algebra, Statistical Computing, Econometrics, Natural Language Processing, Data Mining, Data Management, Combinatorial Optimization

American International School of Jeddah (Saudi Arabia)   Jeddah, Saudi Arabia
Graduated with High Honors: May 2022   **Sept. 2008 - June 2022**

WORK EXPERIENCE

VBTI Consultancy B.V. (Final Bachelors Thesis)   Eindhoven, The Netherlands
AI Engineering and Business Optimization Intern   **Feb. 2025 – Aug. 2025**

- **Led cross-functional transformation initiative across multiple business units,** delivering strategic recommendations that reduced operational costs by 75% and significantly improved profit margins
- Built and implemented AI-powered optimization tool to automate cost reduction processes, enabling further operational efficiencies and scalable performance improvements
- Developed comprehensive financial modeling frameworks and conducted risk assessments to support senior management decision-making processes
- Facilitated stakeholder workshops and collaborated with technical and business teams to identify optimization opportunities and drive implementation of operational excellence initiatives

Reef Support, via FruitPunch ai. (University Sponsored)   Eindhoven, The Netherlands
Environmental Strategy AI Consultant   **Sept. 2024 – Nov. 2024**

- **Managed multi-stakeholder project to develop automated monitoring solutions for marine conservation organizations,** coordinating between research teams and environmental policy stakeholders
- Conducted stakeholder interviews with marine biologists to identify operational challenges and define success criteria for ecosystem health assessment processes
- Led development of cost-effective monitoring framework achieving 83% accuracy in automated assessment systems, replacing time-intensive manual evaluation methods
- Delivered strategic recommendations to environmental organizations for conservation strategy optimization based on comprehensive data analysis and stakeholder requirements

London Metropolitan Police (University Sponsored)   Eindhoven, The Netherlands
Public Sector Strategy Consultant   **April 2024 – July 2024**

- **Led strategic policy consulting engagement for Metropolitan Police Service and Mayor's Office,** analyzing organizational performance across London boroughs and delivering evidence-based recommendations for community relations improvement
- Developed analytical framework identifying performance improvement opportunities across multiple departments, achieving 50%+ forecasting accuracy for strategic planning and resource allocation decisions
- Conducted stakeholder management across academic and government partners, ensuring responsible implementation of data-driven insights in policy recommendation development

PROJECTS

Thoracic Disease Classifier (AI for Medical Imaging)   **Feb 2024**
- Developed and trained machine learning models to diagnose various lung diseases from CT scan images.
- Implemented convolutional neural networks to automate the classification of lung conditions such as pneumonia and pulmonary fibrosis.
- Achieved 42% overall diagnostic accuracy through the model.

Financial Risk Analytics and Credit Intelligence Dashboard   **Jan 2024**
- Developed comprehensive credit risk assessment platform using Python (Dash/Plotly), enabling real-time portfolio monitoring and strategic lending decisions for financial stakeholders
- Conducted quantitative analysis identifying key risk drivers and implemented predictive modeling to optimize credit performance and portfolio management strategies

Smart Compression Vest Development for Individuals with ASD   **Nov. 2023**
- Designed IoT-enabled wearable solution with a mobile app integration that creates personalized compression therapy for individuals with Autistic Spectrum Disorders

Airline Customer Experience Analytics (Twitter API Analysis)   **June 2023**
- Built comprehensive social media analytics solution using Twitter API and MongoDB to analyze customer sentiment patterns for major airlines (Lufthansa, American Airlines)
- Applied advanced NLP techniques and data visualization to deliver competitive insights and customer experience optimization recommendations for airline industry stakeholders

Leadership

US Stock Market Analysis and Investment at AISJ   **Jeddah, Saudi Arabia**
Independent Activity with other Members   **Mar. 2021 - Feb. 2022**

- Conducted comprehensive market research and competitive analysis within the U.S. Energy sector, developing investment hypotheses through fundamental and technical analysis
- Led collaborative research efforts with peer analysts, achieving 284% portfolio returns through systematic evaluation of market trends and risk assessment

Model United Nations (MUN)   **New York City, NY**
Delegate   **Feb. 2019**

- Collaborated with a team to research and discuss issues in developing countries in East Asia, including topics such as poverty, education, and sustainable development.
- Presented solutions and policy recommendations at the United Nations Headquarters in New York City during the Model United Nations conference.