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Hiring Manager
Veovo
Hækken 2, 9310 Vester Hassing

Dear Hiring Manager,

I am writing to apply for the Graduate Data Scientist position at Veovo. With an MSc in Computational Physics from the University of Copenhagen, I specialize in building predictive ML models from complex scientific data, my thesis developed a Python-based tool using Scikit-learn/PyTorch to detect and forecast misalignments in neutron instrument simulations (McStas package, used at facilities like DTU/ESS). This involved preprocessing large simulation datasets, applying optimization/ensemble methods, and calibrating for real-world predictions, directly aligning with Veovo's sensor data (Bluetooth/WiFi/cameras) for passenger flow forecasting and queue optimization

My experience extends to time-series analysis and anomaly detection: I created a cryptocurrency prediction app processing volatile market data with Pandas/PyTorch, discovering trends/patterns and building ensemble models for reliable forecasts. At the University of the Aegean, I automated SQL/Python pipelines for environmental/ microbiological datasets, -preprocessing unstructured sources, visualizing insights (Matplotlib), and proposing resource strategies, much like Veovo's staff optimization and multi-source integration. I communicate findings clearly to non-technical stakeholders, as in my institute projects.

While my core is Python and C,/C++ I have worked on projects in R and C# -eager to adapt for Scala/Java if needed. Veovo's SaaS for global airports excites me; I'm available for hybrid in Vester Hassing as my girlfriend lives close-by and we want to move closer.

I would welcome discussing how my data modeling contributes to your brilliant solutions. Thank you.

Sincerely,
Filippos Dimitrios Ktistakis

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Portfolio site: 6x7.gr

Profile
Data scientist with MSc in Computational Physics, expert in Python/ML for predictive modeling from complex datasets. Thesis built tool forecasting misalignments in neutron instrument simulations. Time-series/pattern analysis (crypto app/U Aegean data); preprocessing/visualization/pipelines. Ideal for airport sensor forecasting.

Technical Skills
Languages Python (Pandas, NumPy, SciPy, PyTorch, Scikit-learn), SQL, C/C++
ML/Data Time-series, predictive models, anomaly detection, ensembles, visualization (Matplotlib)
Tools PostgreSQL/Supabase, Docker/Git

Education
MSc Computational Physics, University of Copenhagen, 2021-2024
Thesis: ML models for predictive calibration on neutron simulation data
BSc Physics, NKUA, 2017-2021 (Stats/ML focus)

Experience
Data Analyst, U Aegean, 2022-2023: Preprocessed/analyzed environmental datasets (SQL/Python); trends/insights
Co-Founder, Mediterranean Institute, 2020-2024: Data-driven initiatives

Some Relevant Projects

- Crypto Predictor: Python/PyTorch time-series ML; patterns/anomalies from volatile data
- Neutron ML Tool: Predictive sim calibration (Python/C++/MPI)
- Environmental Analysis: SQL pipelines/visuals