Nikolaos Kokosis

Lichtenberg, 10367, Berlin, Germany

📱 +49 1631837134 | ✉ nikos.kokoshs97@gmail.com | 🔗 LinkedIn | ⌗ GitHub | 💼 Portfolio

Summary

Aspiring Data Scientist with a solid foundation in Statistics and an MSc in Cybersecurity & Data Science. Experienced in applying Python, SQL and various data analysis libraries to solve real-world problems through hands-on projects. Eager to apply my skills in data science, data engineering and data analysis, contributing to innovative solutions and driving value in dynamic work environments.

Work Experience

Data Entry & Operations Assistant
Trikala, Greece
Kotoulas Energy S.A.
Feb 2024 - Oct 2024
- Utilized the company's proprietary Galaxy software to input, organize and retrieve data, streamlining invoicing and record-keeping.
- Managed and updated customer data using the Galaxy database system, ensuring accuracy and data integrity to support operational decisions.
- Identified trends in sales and customer behavior through detailed data registration and reporting, supporting business strategy improvements.

E-Advisor Intern
Athens, Greece
Alpha Bank
June 2020 - Dec 2020
- Developed strong analytical and communication skills while assisting clients with digital banking services.
- Strengthened interpersonal and problem-solving skills, elevating customer satisfaction in a hands-on internship role.
- Gained insights into the financial industry and honed problem solving abilities.

Projects

Temporal Network Analysis and Link Prediction
Jun 2023 - Nov 2023
- Performed temporal network analysis and link prediction on a **63.5M** row dataset, utilizing time-aware centrality measures and three data creation strategies. Achieved **86.56%** accuracy with an **ANN**, surpassing **LR (79.88%)** to enhance network dynamics understanding and connection prediction.
- **Technical Skills:** Python, NetworkX, Network Analysis, Temporal Dynamics, Machine Learning, Model Evaluation

Maritime Data Analysis and Vessel Location Prediction
Jan 2023 - Sep 2023
- Developed a comprehensive database from **raw AIS data** collected at the University of Piraeus, followed by EDA and data cleaning. Leveraged this refined dataset to build a **Bi-GRU** predictive model, achieving an RMSE of **23.21** meters, effectively anticipating vessel locations for **35** vessels.
- **Technical Skills:** PostgreSQL, QGIS, Python, GeoPandas, Data Cleaning and Enrichment, Deep Learning

Technical Skills

Programming Language	**Experienced**: Python | MATLAB **Familiar**: Scala | HTML | CSS
DBs & Geospatial Tools	PostgreSQL | MongoDB | QGIS | PostGIS
Data Analysis & BI Tools	SAS | Power BI | SPSS | Microsoft Excel
Big Data & Develop Tools	Apache Spark | Git | Jupyter Notebook

Publications

Kokosis N., Theodoridis I., Chondrodima E., Kontoulis I. (2025) **"Predictive Analytics Methods with Applications on Electric Vehicles."** *Master Thesis, University of Piraeus, Dione Repository (2025)*. [Online Resource]

Education

MSc in Cybersecurity & Data Science
2022 – 2025
University of Piraeus
- **Thesis topic:** *Predictive Analytics Methods with Applications on Electric Vehicles*
  This thesis supported an EU-funded smart city initiative by developing predictive models using real-world time series data from 27 EV charging stations.
  – Researched and developed methodologies for forecasting electric vehicle charging demand, achieving a forecasting **RMSE** of **3.22 KW.**
  – Implemented a Hybrid LSTM neural network to predict station occupancy, achieving a high mean **F1-score** of **96.29%.**

BSc in Statistics and Finance
2015 - 2022
University of Piraeus

Languages

English Fluent (C2)
German Beginner (A1.2) — Currently learning
Greek Native