Kokosis Nikolaos

16321 Bernau bei Berlin, Brandenburg, Germany

✉ nikos.kokoshs97@gmail.com | github.com/NikosKokosis | in linkedin.com/in/nikos-kokosis | Portfolio

Summary

Aspiring Data Scientist with a solid foundation in Statistics and an MSc in Cybersecurity and Data Science. Through hands-on projects, developed expertise in Python, SQL and various data analysis libraries, which I leverage to extract meaningful insights from complex datasets in real-world applications. Eager to leverage my skills to a dynamic work environment, aiming to be a valuable asset to the organization I join.

Work Experience

Data Science Research Associate
Remote

University of Piraeus
Nov 2023 - Present

- Collaborated with a team of researchers to analyze and preprocess complex datasets, enhancing data quality and predictive accuracy.
- Researched and Developed methodologies for forecasting electric vehicle charging demand, leading to a forecasting approach with RMSE **3.22** KW.
- Implemented a Hybrid LSTM neural network to predict station occupancy, achieving a high mean F1-score of **96.29%** across **27** charging stations.

Data Entry and Operations Assistant
Trikala, Greece

Kotoulas Energy S.A.
Feb 2024 - Oct 2024

- Utilized Galaxy software to input, organize and retrieve data, streamlining invoicing, record-keeping and reporting processes.
- 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 - Oct 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
April 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

Skills

Programming Language	Python, SQL, MATLAB, LaTeX
Libraries & Frameworks	Pandas, GeoPandas, MatPlotLib, Seaborn, Folium, NumPy, Scikit-Learn, TensorFlow, Beautiful Soup, NetworkX
BI & Visualization Tools	SAS, Power BI, SPSS, Microsoft Excel

Education

University of Piraeus
Athens, Greece

MSc in Cybersecurity & Data Science
Nov 2022 - Present

- 2-year program with a focus on Data Science and Information Technology, aligned with the skills and expertise required for a Data Scientist role.

University of Piraeus
Athens, Greece

BSc in Statistics and Finance
Sep 2015 - Mar 2022

- 4-year program with a focus on Statistics, Insurance, Demography, Economics and Mathematics.

Languages

English	C2 Proficiency
Greek	Native