Georgios Iniotakis

Versatile Software Engineer with dual expertise in data engineering and data science, adept at architecting robust data pipeline infrastructure for efficient ETL processes while implementing advanced statistical models and ML algorithms to derive actionable insights and drive data-informed decision making.

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HackerRank | Portfolio | Linkedin | GitHub

EDUCATION

TECHNICAL UNIVERSITY OF CRETE   Sept 2018 - June 2023
Electrical & Computer Engineering (M.Eng)   Chania , Crete

TECHNICAL UNIVERSITY OF DELFT (TU DELFT)   January 2024 - June 2024
Exchange student - Machine Learning Thesis   Delft , Netherlands

EXPERIENCE

QUANTUM INNOVATION | Software Engineer   Athens | Sept 2024 – Now

API Building: Developed scalable web applications using Django, implementing RESTful APIs and MVC patterns. Integrating Django with Flask and FastAPI to create robust backend services.

Product development: Contributed to building a web application for spatial data storage and management and deployed it on Google Cloud Platform.

Machine Learning consultancy: Providing high-level consultancy for military industries and European research centers regarding managing their data and then applying machine learning algorithms to streamline their inside business processes.

Containerization with Docker: Ensured consistency across development and production environments implementing CI/CD pipeline for automated testing and deployment.

TU DELFT | Data Scientist   Delft | January 2024 – August 2024

- **Enhanced Project Delivery:** Translated research requirements to machine learning problems, optimizing workflows and reducing project timelines by 20%
- **Development of data pipelines:** Managed the comprehensive Extraction, Transformation, and Load (ETL) of EV data with Python and performed feature engineering for the appropriate ML models.
- **Forecasting models development:** Developed advanced forecasting models that enhanced decision-making accuracy by 35% through the application of statistical modeling and machine learning algorithms, and ran comparative experiments for model training and accuracy valuation.
- **Integration of backend services with third-party systems and services:** Stored the processed data in MongoDB and created insightful dashboards on Grafana for meaningful analysis and presentations. Automated the deployments, monitored system performance, and ensured high scalability.

ACROVOLT | Data Engineer   Athens | June 2023 – Dec 2023

- **Operational Efficiency Enhancements:** Developed highly optimized SQL scripts for large-scale data structures and OLAP cubes and Optimized complex ETL jobs with Apache Spark. Monitored system audits, dashboard reporting, and presentation layer functioning and performance.
- **Data flow optimization:** Developed end-to-end data pipelines with shell scripting and Python and implemented star schemas to optimize data flow for BI reporting needs.
- **Stakeholder Engagement** : Collected data based on requirements across different departments. Reviewed and validated the newly collected data in close collaboration with the stakeholders.

CERTIFICATIONS

- Machine Learning - CodeHub