Antonios Mavridis

Experienced BI & Analytics Engineer with a strong background in Data Ingestion, ETL, Reporting, and Machine Learning. Proficient in Azure Synapse Analytics, Databricks, SSIS, and SSRS for building scalable and reliable data pipelines to drive business insights. Motivated to learn, grow, and excel within the fields of Data Engineering and Data Science.

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TECHNICAL SKILLS

Programming Languages:	Python, R, SQL (T-SQL, Oracle PL/SQL)	**ETL Tools:**	SSIS, Azure Data Factory, Databricks
ML & Data Processing:	TensorFlow, scikit-learn, statsmodels, NumPy, pandas, Gensim, NLTK	**Data Management:**	SQL Server, MongoDB, Azure Synapse Analytics, Azure Data Lake, Azure DevOps, TFS
Reporting Tools & Libraries:	SSRS, Tableau, Matplotlib, Seaborn, Plotly	**Batch & Stream Processing:**	Apache Spark (Spark SQL, PySpark), Apache Kafka

PROFESSIONAL EXPERIENCE

BI & Analytics Engineer
OPAP S.A

04/2022 - Present   *Athens, Greece*
Tasks

- Involved in migrating an On-Premises SQL Server Data Warehouse to Azure Synapse Analytics, facilitating enhanced scalability and performance.

- Partnered with diverse teams to architect, develop, and sustain ETL workflows, leveraging both SSIS and Azure Data Factory to enhance data integration and transformation processes.

- Engineered data processing workflows in Databricks using PySpark, significantly improving the efficiency of handling large and semi-structured data.

- Developed and implemented consumers for real-time data streaming using Apache Kafka, including engineering a solution for missing Kafka offsets to ensure efficient and reliable data transfer.

- Led the integration of Accounting data from SAP ERP API and CRM data from Salesforce Service B2C API and NoSQL database (MongoDB), enhancing data consolidation for comprehensive analytics.

- Designed and developed reports and dashboards using SSRS and Tableau to provide insights into key business metrics.

Tools: T-SQL, Python, SQL Server, MongoDB, Oracle, SSIS, SSRS, Azure Synapse Analytics, Apache Spark, Apache Kafka, Databricks

Junior IT Business Analyst & Consultant
Netcompany - Intrasoft

04/2021 - 04/2022   *Athens, Greece*
Tasks

- Participating in the National Social Security Entity Organization of Greece's (EFKA) digital transformation effort for pension awarding.

- Facilitate effective communication between clients and engineers, serving as a vital bridge to clarify and document technical, functional, and business requirements.

- Conduct comprehensive usability and functional testing, providing valuable insights and recommendations for corrective and preventive actions to enhance software quality.

- Expertly manage versioning and ticketing procedures, efficiently tracking and resolving multiple issues across various subsystems and clients.

- Elevating end-user engagement through tailored training programs, leveraging deep expertise to ensure smooth adoption and maximized efficiency of technology solutions.

Tools: T-SQL, Jira

PERSONAL PROJECTS

- Implemented K-Means and PCA to cluster songs by audio features and trained Random Forest, XGBoost, LightGBM, and MLP models for song classification by genre.

  Tools: Python, Tensorflow, scikit-learn, XGBoost, LightGBM, SciPy

- Developed a data analytics project from scraping Reuters articles to preprocessing, employing LDA/LSI for topic modeling and Afinn/Zero-Shot for sentiment analysis, achieving comprehensive thematic insights.

  Tools: Python, selenium, BeautifulSoup, gensim

- Developed deep learning models to classify X-ray images as normal or abnormal using the MURA dataset, employing custom CNN architecture and a pre-trained model (VGG-16, ResNet50).

  Tools: Python, TensorFlow

EDUCATION

M.Sc. in Data Science
Athens University of Economics and Business

10/2022- 07/2024   *GPA: 8.38/10*
Relevant Coursework:

- Machine Learning   - Deep Learning   - Big Data Systems

B.Sc. in Digital Systems
Majored in Computational Infrastructures & Services
University of Piraeus

09/2018 - 09/2022   *GPA: 8.30/10*
Relevant Coursework:

- Cloud Computing   - Artificial Intelligence   - Database Systems

CERTIFICATES

Data Analyst with SQL Server Track
DataCamp

Skills: SQL Server, T-SQL, Function and Stored Procedures, Transactions, and Error Handling, Building and Optimizing Triggers.

Natural Language Processing with Classification and Vector Spaces
DeepLearning.AI

Skills: Sentiment Analysis, Machine Translation, Word Embeddings, Vector Space Models

LANGUAGES

English
Professional Working Proficiency

France
Elementary Proficiency

Greek
Native