KONSTANTINOS SOUFLEROS

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SUMMARY

Certified Data Scientist with a strong foundation in problem-solving and analytical thinking, reinforced by a background in civil engineering and business management. Experienced in developing and deploying machine learning models, natural language processing, and data-driven decision-making. Proven ability to translate complex data insights into actionable business strategies. Seeking a challenging role in data science to apply my expertise in driving impactful results and continuous learning.

SKILLS

- **Programming Languages:** Python, SQL
- **Data Analysis & Visualization:** Tableau, PowerBI, Excel
- **Machine Learning & AI:** Scikit-learn, TensorFlow, Keras, Natural Language Processing
- **Cloud Platforms:** Azure, Google Cloud
- **Big Data Technologies:** Apache Spark

- Leadership
- Communication
- Time management
- Teamwork
- Analytical
- Problem-solving
- Attention to Detail

EXPERIENCE

SPRHAVA
Munich, Germany

Junior Data Scientist   06/2024 to present
- Developing AI-powered spectacles for visually impaired individuals, incorporating features like text reading, facial recognition, and product identification.
- Utilizing OpenCV, YOLO, and deep learning algorithms to enhance AI models.

CODSOFT
Kolkata, West Bengal, India

Machine Learning Intern (Virtual internship)   05/2024 to 06/2024
- Built fraud detection and customer churn prediction models using Logistic Regression, Random Forests, and Gradient Boosting.
- Classified SMS messages as spam or legitimate using TF-IDF and various classifiers.

MENTORNESS
Ahmedabad, India

Machine Learning Intern (Virtual internship)   05/2024 to 06/2024
- Led data preprocessing, analysis, and EDA to drive actionable insights.
- Engineered and optimized machine learning models, enhancing accuracy and efficiency.

DATA GLACIER
London, UK

Data Scientist Intern (Virtual internship)   02/2024 to 04/2024
- Developed NLP models for text analysis, sentiment analysis, and information extraction.
- Contributed to various projects, showcasing expertise in Python, data analysis, and machine learning.

EDUCATION AND TRAINING

- **MICROMASTERS PROGRAM IN STATISTICS AND DATA SCIENCE**   Expected in 10/2024
  Massachusetts Institute of Technology, MIT, Massachusetts, USA

- **DATA SCIENCE BOOTCAMP**   05/2023
  Workearly, Greece

- o Core Courses: Data Warehousing, Data Analysis & Data Visualization, Applied Statistical Modeling for Data Analysis, SQL Training, Tableau Training, Power BI Training, Machine Learning & Big Data, Python
  - o Electives: Microsoft Azure Training, Big Data with Apache Spark and Python
  - o Additional Training: E-learnings & Video Courses, Simulations & Assessments, Practical Familiarization – Case Studies – Live Coding with Real Company Tasks, Coding Bootcamps

- **MBA**: BUSINESS ADMINISTRATION AND MANAGEMENT 08/2008
  Cardiff University, Wales, United Kingdom
  - Dissertation: "Corporate Social Responsibility in the Food Industry - A Comparative Case Study of Burger King in the UK and Goody's in Greece."

- **BACHELOR OF SCIENCE**: CIVIL ENGINEERING TECHNOLOGY 06/2004
  International Hellenic University / Department of Civil Engineering (Serres), Greece

CERTIFICATIONS

- **Boston Consulting Group (BCG) Data Science Job Simulation on Forage - August 2024**
  - o Completed a customer churn analysis simulation for XYZ Analytics, demonstrating advanced data analytics skills, identifying essential client data and outlining a strategic investigation approach.
  - o Conducted efficient data analysis using Python, including Pandas and NumPy. Employed data visualization techniques for insightful trend interpretation.
  - o Completed the engineering and optimization of a random forest model, achieving an 85% accuracy rate in predicting customer churn.
  - o Completed a concise executive summary for the Associate Director, delivering actionable insights for informed decision-making based on the analysis.
- **NASA** Open Science, 2024
- **IBM** Data Science Professional Certificate, 2023
- **DataCamp** Data Scientist Associate Certificate, 2023
- **Imperial College of London** Mathematics for Machine Learning Specialization, 2023
- **IBM** Applied Data Science Specialization, 2023
- **IBM** Machine Learning Professional Certificate, 2023
- **Google** Project Management Certification, 2023

LANGUAGES

English:
Full Professional

Greek:
Native/ Bilingual

French:
Professional

Serbian:
Limited

PROJECTS

- **NLP Sentiment Analysis on Newsgroups and Deployment**
  - o Description: Developed an NLP model to analyze sentiment in news articles, predicting market sentiment with a high degree of accuracy.
  - o Technologies Used: Python, NLTK, spaCy, Scikit-learn, Flask, Render.
  - o Key Impact: The deployed model achieved high accuracy in document classification and provided insights into model performance across different categories.
- **Time Series Forecasting in Market Analysis and Forecasting**
  - o Description: Developed a robust time series machine learning model capable of accurately forecasting market trends based on historical data. The project involved predicting the quantity and prices of commodities for future months using various models, with a focus on ensuring accurate and actionable market insights.
  - o Technologies Used: Python, ARIMA, SARIMA, Prophet, LSTM.
  - o Key Impact: Successfully identified LSTM as the most suitable model for price forecasting, demonstrating significant improvements in prediction accuracy, which can be utilized by businesses to make strategic decisions in commodity trading.