Mohamad Kamal El Jaafari | Data Scientist

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SKILLS AND EXPOSURE

• Strong Skills: Python, LLMs and Prompt Engineering, LangChain, Transformers, NLP, SKLearn, PyTorch, Microsoft Azure, PowerBI, SQL, OpenAI API, React, Javascript, OOP, MongoDB, Git, BitBucket, Spreadsheets

• Exposure: Apache Spark, Tensorflow, Tableau, Android App Development with React Native, Laravel, ExpressJS, Java

PROFESSIONAL EXPERIENCE

Data Scientist| Hindsight Technology Solutions | NYC, USA | August 2023 — Current

- Developed multiple multilingual multinomial logistic regression and XGBoost models achieving 98% accuracy for ad placement and recommendation systems.
- Developed a computer vision and patter recognition video classification model over IAB taxonomy focusing on high accuracy and low execution and ram costs.
- Implemented cosine similarity for recommendation models and optimizing by 80% using K-means and KNN.
- Conducted 95% accuracy NER fine-tuning on the Roberta Japanese Model to identify Japanese artists' names.
- Reduced data costs to 0 by suggesting and implementing a zero-cost data generation approach.
- Ensured quality assurance through rigorous stress testing on all machine learning models.
- Orchestrated API calls with Selenium for testing and validation, integrating with MongoDB for data processing.
- Packaged Bitbucket projects with Confluence and unit tests, ensuring seamless collaboration and documentation.
- Leveraged Knowledge: Machine Learning Models, XGBoost, NLP, Selenium, MongoDB, Bitbucket

Software Development Intern | BroadNet Technologies | Beirut, Lebanon | May 2023 — Aug 2023

- Developed projects integrating Laravel, React JS, and MongoDB for enhanced functionality and user experience.
- Utilized MySQL and SQLite databases for data storage and retrieval in Laravel projects, ensuring efficiency.
- Leveraged Knowledge: React JS, Vite, Laravel, MongoDB, MySQL

Data Analysis Intern | Orbital Trading Co. SARL| Beirut, Lebanon | April 2022 — July 2022

- Reduced SKlearn codes speed by nearly 20x using vectorization instead of iterative loops
- Transformed dataframes and results into visualizations and spreadsheets using PowerBI and Google Sheets
- Engineered CRUD SQL codes to integrate SQL databases with analysis on Sales and Logistics
- Leveraged Knowledge: Pandas, SQL, SKLearn, PowerBI, SpreadSheet Softwares

EDUCATION

Lebanese American University | B.S. Computer Science

Relevant Courses: Machine Learning, NLP, Data Structures and Algorithms, Discrete Mathematics, Linear Algebra, Script Programming, Database Management Systems, Web Development, Object Oriented Design (Python and Java)

Courses and Certificates

• Microsoft Azure Data Scientist Associate (DP-100) Professional Certificate

• Stanford Machine Learning Specialization

• Google Advanced Data Analytics Professional Certificate

• Google Professional Business Intelligence Certificate

• DeepLearning.AI Generative AI with Large Language Models Certificate