Karin Iskandarani

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SUMMARY

Data Scientist with hands-on experience in **data analysis**, **machine learning**, and **applied AI**, supported by a strong computer science background. Skilled in **importing, cleaning, transforming, and analyzing complex datasets to generate actionable insights** with hands on experience of the full data science life cycle, from exploratory data analysis (EDA) and feature engineering to **model development, evaluation**, and optimization. **ZAKA Certified Data Scientist** and **AWS Certified Cloud Practitioner**, passionate about continuous learning and applying AI-driven solutions to solve real world and educational challenges.

SKILLS

- **Programming:** Python (Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn), SQL, PowerShell
- **Machine Learning:** Logistic Regression, Linear Regression, Ridge Regression, KNN, SVM, Decision Trees, Random Forest
- **Data Processing & Analytics:** Data Cleaning, Data Wrangling, EDA, Feature Engineering, Statistical Analysis, Data Visualization
- **Model Evaluation & Optimization:** Accuracy, Precision, Recall, F1-score, AUC, Confusion Matrix, Hyperparameter Tuning
- **Databases:** Microsoft SQL Server
- **Business Intelligence:** Microsoft Power BI, SSRS, Tableau, Power Automate

WORK EXPERIENCE

AI Engineer Intern – Phoenician Capital | New York, US (Remote) |*October 2025 – December 2025*

- **Built AI-powered scrapers** for complex, non-uniform financial websites, using **LLMs**, **Selenium**, and **BeautifulSoup** to automatically extract structured metadata, company identifiers, and document links.
- **Engineered end-to-end pipelines using prompt engineering** that automate research synthesis and professional report generation via LLMs and dynamic templating.
- **Developed data enrichment and cleaning pipelines**, parsing mixed fields, validating identifiers via financial APIs, and automating Excel normalization to ensure scalable, accurate datasets.

Data Science Trainee – ZAKA | Beirut, Lebanon (Remote) |*October 2024 – April 2025*

- Prepared, transformed, and visualized data using advanced **data analysis**, **data visualization** tools and techniques.
- Performed **data analysis** and **exploratory data analysis** (EDA) using **Pandas**, **Seaborn**, and **Matplotlib** to extract insights and support decision-making.
- Evaluated and fine-tuned models using appropriate **performance metrics** to improve **accuracy** and reliability.
- Applied **supervised learning algorithms** (**KNN**, **linear regression**, **multilinear regression**, **logistic regression**) and **unsupervised learning techniques** using **Scikit-learn**.

- Identified and select suitable **machine learning algorithms** to address **real-world business and analytical problems.**

Data Analyst Intern – Chedid Capital Holding | Baabda, Lebanon | *December 2023 – June 2024*

- **Contributed in managing database performance, backups, restores, and replication** to ensure availability and reliability.

- **Created automated SQL jobs** for daily data refresh and report execution.

- **Wrote and optimized SQL queries** to generate reports, including **indexing to improve performance.**

- **Consolidated and validated data** across multiple database tables to ensure data integrity.

- **Migrated reports** from Microsoft SSRS (model-based) to Power BI Report Builder (database-driven).

- **Collected, cleaned, and validated data** from multiple sources to ensure accuracy and reliability for financial reporting.

- **Collaborated with cross-functional teams** to translate business requirements into database-driven reports.

Projects

AI & LLM Projects

- **LLM-Driven Report Automation** – **Developed end-to-end pipelines using prompt engineering and dynamic templating** to automate research synthesis and professional report generation via LLMs (Phoenician Capital).

Data Science & Analytics Projects

- **Global Suicide Rates Dashboard** – Built an interactive **Tableau dashboard** providing analytical insights and data-driven recommendations based on global suicide statistics. *([Tableau Dashboard Link](#))*
- **Loan Acceptance Prediction** – Developed a Logistic Regression model for loan approval; conducted EDA, feature analysis, and model evaluation to improve accuracy and precision.
- **Time Series Forecasting for Bike Ride Analysis** – Developed AR, MA, SARIMAX models for time series analysis, improving RMSE to 7.067. *[Project Link](#)*

EDUCATION

Bachelor Degree in Computer Science   September 2019- July 2023
Lebanese International University
GPA: 3.5 with honors

LANGUAGES
- Arabic: Native Language
- English: Proficient