Muna Dini

Data Scientist | Data Analytics | Machine Learning | Computer Vision

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Summary

Data Science graduate from the University of Jeddah with hands-on experience in data analytics, computer vision, deep learning and generative AI. 1st place winner at the SPACETHON hackathon and among the top 10 of 80 teams in the SDAIA and Microsoft Athka U hackathon.

Education

Bachelor of Science in Data Science, *University of Jeddah* 2022 – 2026

GPA: 4.89 / 5

Professional Experience

Data Science Intern, *Life Tech* Jun 2025 – Aug 2025

- Organized and analyzed sales and inventory data in Python to detect inconsistencies and uncover sales patterns.
- Built analytical reports for decision-makers using Excel PivotTables and advanced formulas.
- Maintained accurate product records and values for **500+ products**.

Achievements

SPACETHON Hackathon, 1st Place, *King Abdulaziz University* 2025

- Presented MinerX to the judges, an AI concept that uses satellite imagery to identify areas with mineral potential, and researched how remote-sensing data can detect mineral deposits.

Athka U Hackathon, Top 10 of 80 Teams, *SDAIA and Microsoft* 2025

- Reached the final round in Riyadh with Guided Voices, a generative AI app for children's speech development.
- Developed the app in React Native and built its AI features: a RAG chatbot for parents and a voice feature that helps children improve pronunciation, on Microsoft Azure.

Projects

Real-Time Multi-Sensor Drone Detection and Tracking Graduation Project

- Co-developed a multimodal AI system fusing RF, audio and video data; the RF model reached **98.33%** accuracy.
- Built the audio detection CNN model and implemented the late-fusion layer that combines all models into one decision.

Alzheimer's Disease MRI Classification using Deep Learning

- Built and compared multiple CNN models in TensorFlow/Keras on **80K+** brain MRI images across 4 classes, reaching **98%** accuracy.
- Addressed class imbalance with oversampling and data augmentation, and evaluated recall for each class.

Customer Segmentation using Machine Learning

- Analyzed **500K+** retail transactions, engineered 4 behavior features, and applied PCA and K-Means to create **6 customer segments** for targeted marketing.

Technical Skills

AI and ML: Python, Deep Learning, TensorFlow, Keras, scikit-learn, Computer Vision, Generative AI, RAG

Data and BI: Data Analysis, SQL, Pandas, NumPy, Power BI, Excel, Data Visualization, ETL, Hadoop, MapReduce

Tools: Git, GitHub, Microsoft Azure, Docker, Streamlit, React Native

Soft Skills

Public Speaking | Teamwork | Problem Solving | Critical Thinking | Communication

Courses

Machine Learning with Python, *IBM*

Excel Skills for Business: Intermediate I, *Macquarie University*

Languages

Arabic (Native) | **English** (Fluent)