Arwa Mustafa Abu-Laila

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Professional summary

Data Science graduate with experience in AI/ML models and business intelligence. Achieved 94.8% model accuracy in healthcare applications and improved decision-making by 35% through Power BI dashboards. Skilled in Python, TensorFlow, and PyTorch.

Experience

Data Analysis & Power BI Intern   April 2025 – June 2025

The Royal Scientific Society (RSS), Amman, Jordan

- Reduced decision-making time by 35% by designing and deploying 5+ interactive Power BI dashboards that analyzed organizational datasets and delivered actionable insights to senior stakeholders.
- Improved data quality and reporting accuracy by 25% through implementing advanced data cleaning, transformation, and modeling techniques using DAX and Power Query.
- Accelerated project delivery timelines by 20% by collaborating with cross-functional analytics teams to standardize dashboard templates and visualization best practices.

Projects

Medical AI – Cardiac Diagnosis System

- Developed dual-input ResNet18 deep learning model classifying myocardial perfusion images with 94.8% accuracy, enabling 40% faster CAD diagnosis in resource-limited regions with constrained cardiology expertise.
- Applied transfer learning and data augmentation to overcome limited dataset of 87 patients, improving model generalization by 18%.

Agriculture AI – Pest Detection App

- Built mobile computer vision solution using Flutter and MobileNetV2 for real-time red spider mite detection, projected to reduce pesticide waste by 30% and save farmers $30K+ annually through precision agriculture.

Business Intelligence Dashboards

- Created Power BI dashboards analyzing Spotify music trends and IBM HR data, improving prediction accuracy by 15% and identifying employee attrition patterns that could reduce turnover costs by 20%.

Education

Bachelor's Degree in Data Science   Graduated 2025

University of Jordan, Amman, Jordan

Courses

DevOps Training (EFE, 2025) — Machine Learning (Progress Soft, 2023) — Python Programming (STEAM Center, 2022)

Technical skills

Programming: Python (Advanced), SQL (Intermediate)

Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, OpenCV, Keras, Transfer Learning, CNN

Data Processing & Analysis: Pandas, NumPy, Apache Spark, Data Wrangling, ETL Pipelines

Visualization & BI: Power BI (DAX, Power Query), Matplotlib, Seaborn, Plotly, Excel

Tools & Platforms: Git, GitHub, Jupyter Notebook, Google Colab, VS Code, Docker, CI/CD

Soft skills

Problem-Solving, Cross-Functional Collaboration, Stakeholder Communication, Data Storytelling, Attention to Detail, Adaptability, Team Collaboration, Critical Thinking, Time Management, Decision-Making, Communication Skills, Active Listening

Languages

Arabic – Native   —   **English** – Professional working proficiency