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Albara Shehadeh

Data Scientist | Machine Learning Engineer

SUMMARY

Dynamic and focused computer science graduate specializing in programming, data science, and machine learning. Proficient in Python with a talent for developing AI solutions. Enthusiastic about leveraging technology to tackle challenges and enhance operational efficiencies.

EDUCATION

Bachelor of computer science
Sep '19 - May '23

Jordan University of Science and Technology
Jordan, Irbid

- GPA: **3.95/4**

PROFESSIONAL EXPERIENCE

Intern - Machine Learning & Deep Learning
Mar '23 - Mar '24

Tahaluf Al Emarat Technical Solutions

Machine Learning

- Analyzed statistics & probabilities using **Python, NumPy, & Pandas** to optimize business processes
- Utilized Principal Component Analysis (PCA) for feature selection & **dimensionality reduction techniques**, resulting in a 10% increase in model accuracy
- Successfully applied **random oversampling** technique to address class imbalance, resulting in a notable 50% reduction in misclassification errors using Python
- Enhanced predictive modeling accuracy by **20%** in the Retail industry by implementing **Random Forest** & **Logistic Regression** algorithms

Deep Learning

- Enhanced image recognition accuracy by 30% through the development of **deep learning models with TensorFlow & PyTorch**, specifically utilized in an image recognition project
- Designed neural network architectures for **image recognition**, **object detection**, and **segmentation**

KEY PROJECTS

Jordanian Coins Detection & Tracking (GitHub) | Tools: PyTorch, YOLO, OpenCV **|** Feb '24
Developed real-time coin detection & tracking system using YOLOv8 and PyTorch. Achieved high accuracy in identifying and counting Jordanian coins.

Kaggle Competitions| Tech Stack: NumPy, Pandas, Scikit-learn | Aug '23

- **Used Car Price Prediction (GitHub)**
- **Spam Email Detection (GitHub)**
- **mRNA Vaccine Degradation (GitHub)**

Arabic Handwriting Recognition (Graduation Project) | **Tools:** Python, TensorFlow | May '23
Established the Arabic Handwriting Recognition Database (AHR-database) and crafted a baseline deep learning model, elevating recognition accuracy and paving the path for advanced models.

KEY SKILLS

• **Problem Solving** • **Data Manipulation & Analysis (**Numpy, Pandas**)** • **Data Visualization (**Matplotlib, Seaborn**)**
• **Machine Learning (**Scikit-learn**)** • **Deep Learning (**Keras, TensorFlow, PyTorch**)**
• **Computer Vision (**OpenCV, YOLO)
• **Python, OOP, Data Structures, Git & GitHub, Docker, Linux, Google Colab**

AWARDS AND ACHIEVEMENTS

First Place, Generative AI Hackathon 2024
Jordan, Amman

- Secured the top spot at the Tahaluf Al Emarat Technical Solutions AI Hackathon
- Led the development & presentation of '**Qissah**', an innovative AI platform for personalized children's stories

CERTIFICATIONS

- **Deep Learning Specialization** | Coursera | Andrew Ng. (Certificate)