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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

AI Engineer   Jan '24 - Jun '24

Haiiak - (ACTAIR)

- Utilized **LLM** and **STT** to engineer AI solutions for the development of a robust customer support system, facilitating **natural and efficient voice interactions**, resulting in a 25% reduction in response time.
- Employed NLP technologies, including **Word Embeddings**, to provide precise and relevant responses to user queries while safeguarding data integrity and privacy.
- Collaborated with a team to elevate the user experience and conducted thorough testing and optimization to enhance overall system performance, resulting in a **30% increase in speed** and improved time response.

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

Tahaluf Al Emarat Technical Solutions

- Optimized business processes by analyzing data with **Python**, **NumPy**, and **Pandas**.
- Improved model accuracy by 10% through advanced **feature selection techniques**.
- Reduced misclassification errors by 50% with **data balancing** methods.
- Designed and implemented neural network architectures for **image recognition**, **object detection**, and **segmentation**.
- Enhanced image recognition accuracy by 30% through the development of **deep learning models with TensorFlow & PyTorch**, specifically utilized in an image recognition project.

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.

- **Customer Service Avatar - HAIIAK (ACTAIR) | Tools:** Python**,** (STT, TTS), Unity | May '24

Created a specialized 3D customer service avatar that allows end users to inquire about specific parties. The project focused on leveraging advanced AI and NLP models to provide accurate responses while maintaining data integrity.

- **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.

- **Kaggle Competitions** & **other Projects**: ([GitHub](#))

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