Alaa Faraj

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SUMMARY

Computer Engineering student with strong foundations in software development and AI, skilled in building interactive applications and training deep learning models. Experienced in Python, TensorFlow, and front-end technologies, passionate about leveraging AI to solve complex problems and enhance software solutions.

EXPERIENCE

The Hope International Company   Aug 2024 – Oct 2024
Front-End Training / Practice   Palestine
- Completed a comprehensive front-end course mastering HTML, CSS, JavaScript, and responsive design.
- Developed interactive user interfaces enhancing user experience and web application functionality.

PROJECTS

Jewelry Shop Database Project | GitHub
- Designed and implemented a complete database system using SQL to model products, customers, orders, and transactions.
- Designed an ER diagram and relational schema; ensured data integrity using primary/foreign keys and constraints.
- Developed SQL queries for insertion, retrieval, updates, and reporting; simulated real business scenarios.
- **Technologies**: MySQL, Database Design (ERD, normalization)

Image Classifier with TensorFlow (Nanodegree) | GitHub   Jun 2025 – Aug 2025
- Developed an image classification system using deep learning and TensorFlow as part of the Udacity AI Developer Nanodegree.
- Built and trained CNN models using TensorFlow/Keras; implemented preprocessing, augmentation, and normalization.
- Designed a full ML pipeline (train/val/test) and tuned hyperparameters to improve accuracy.
- Developed scripts to run inference and predict new images using trained models.
- **Technologies**: Python, TensorFlow, Keras, NumPy, Matplotlib

CERTIFICATIONS

AI Programming with Python and TensorFlow (Nanodegree) | Udacity   Jul 2025
- Verified Certificate of Nanodegree Program Completion. Credential
- **Credential ID**: 90-edf2-11ef-a0d3-83376eefa3be

Additional Certificate | Google Drive
- EFSET

EDUCATION

Birzeit University   Sep 2022 – Present
Bachelor of Computer Engineering

LANGUAGES

Arabic: Native   **English**: Intermediate (EFSET B2)

SKILLS

Programming Languages: Python, Java, JavaScript, SQL, Bash
AI / ML: Machine Learning, Deep Learning, Transfer Learning, Data Augmentation, Model Evaluation & Optimization
Frameworks / Tools: TensorFlow, FastAPI, MySQL, Android
Web: Front-end Web Development (HTML/CSS/JavaScript)