Ola Al Khansa

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Education

American University of Beirut, 2020-2023: B.E in Computer and communication Engineering with Distinction

Dean's Honor List: Fall 2021-2022, Spring 2021-2022, fall 2022-2023, Spring 2022 2023

GPA: 3.7

Concentration: Software Engineering and Artificial Intelligence

Experience

Dar Al-Handasah (Shair and Partners), June 2023 - July 2023:

- Developed and managed networks using MikroTik technology

- Worked with virtualization tools including VMware and Microsoft Server

- Participated in full-stack web development tasks using React.js, Node.Js. Express and SQL

- Developed an AI RNN model for word prediction and a CNN to distinguish between cat and dog images

Projects

Arabic Sign Language Recognition, Fall 2021
Developed and compared 3 AI models (Convolutional Neural Network, Neural Network and logistic regression) for Arabic sign language recognition.

Lebanese Images Style Transfer Using Deep Learning, 2023
Developed a deep learning model for style transformation of Lebanese architecture images. As part of the project, I performed data cleaning and prepared the dataset to ensure high quality. This involved tasks such as image quality assessment, normalization, resizing and unifying format, and data augmentation techniques.

Accounting Cycle Project: Software Startup, Spring 2023
Worked on a comprehensive project covering the accounting cycle steps for building up a small service organization.

Chatting Application, Spring 2021
Designed a secure desktop chatting application using UDP.

Solar–Smart Home, 2022-2023
Built an application to integrate public motor schedules in Lebanon with a solar system for increased efficiency.

Hand Controlled Car, Spring 2021
Designed a game featuring a car controlled by hand movements.

Building a Car Website, Spring 2023
Created a car advertising website using agile methodology and Jira

Certificates

DataCamp: Supervised Learning with scikit-learn, Introduction to Data Science in Python, AI Fundamentals, Image Processing with Keras in Python, Advanced Deep Learning with Kera

Leadership and activities

MEPI-TLS Gender Scholar, United States Middle East Partnership Initiative spring 2023

Selected by MEPI, I promoted gender equality through courses, workshops, and events, wrote a gender paper, and contributed to AUB@work's "Women at Work" edition.

Skills

Technical Skills:

- **Programming:** Python, JavaScript (React, Node.js), C++, Java
- **Office Tools:** Microsoft PowerPoint, Word, and Excel
- **Web Development:** HTML, CSS, SQL, Firebase
- **Methodologies**: Agile, Scrum, Jira
- **Hardware & Networking:** Arduino, Networking, MikroTik, Virtualization
- **Python Libraries:** Scikit-Learn, TensorFlow, NumPy, Matplotlib, PyTorch, OpenCV, Pandas, Keras, Spacy.
- **Simulation Tools:** Ni Multisim, Labview, GNS3, Pspice
- **Operating Systems:** Windows, Linux

Languages:

- Arabic: Native proficiency
- English: Full professional proficiency
- Japanese: Elementary proficiency

Soft Skills:

- Analytical thinking
- Teamwork
- Adaptability
- Project management
- Excellent oral and written communication in English and Arabic
- Ability to work under pressure and independently