

Saif Zaidan



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Education

Princess Sumaya University for Technology (PSUT)

- BSc Artificial Intelligence & Data Science, Very Good. Graduation: Sep/2023
- Graduation Project:
 - Perception Grasp: An Intelligent Object Classification and Robotic Grasping for Litter Sorting. - Grade: 92%
 - Description:

I have utilized the pepper humanoid robot for grasping and classification task of paper cups, soda cans into litter bin Using Reinforcement learning and computer vision from a simulated computer environment into the real life Robot.

- Honors and Achievements:

- Certificate of Appreciation from the Gifted Students Office at PSUT (2020-2021).
- Member of the Data Science club at PSUT, helped in organizing Events, workshops and Competitions.
- Speaker and member of the Google Certifications Event at PSUT.

Experience

Sitech

Amman, Rabbieh
July 2021 - Oct 2021

Data Science intern.

- Honed my Data Science, data cleaning and feature engineering skills in working on multiple projects and with a great team effort.
- Developed a Topic modeling system, Movie Rating Prediction model and house price prediction problems.

AL-Ghanem Group.

Amman, Abdoun
May 2022 - Sep2022

Data Engineer intern.

- Implemented fuzzy matching for a huge dataset of duplicated company names, which was a great issue for the company practicality, then followed with SQL stored procedures to merge, handle and delete records of data, for analysis goals.

Samsung Research & Development.

Amman, KHGP
Aug 2023– May 2025

Machine Learning Engineer.

- contributed and developed ASR, TTS and ITN systems for Arabic language.
- developed web Application for Data Management and tracking using Django.
- Rule Based ARABIC Inverse Text Information using java.
- ARABIC Text-to-Speech system using C++, With different models for Arabic Tashkeel.
- ARABIC Automatic Speech Recognition models using tensorflow/pytorch (Cascaded Conformer).
- Researched the space of Arabic NLP, LLMS and transformers and their on device applications and challenges regarding Memory and latency.
- Quantization (bits&bytes), LoRa Techniques, Analysis (Tensorboard), hugging face, vector DB's and Rags.

- Researched and implemented Multi-Modal Models for different tasks including Summarization.
- Trained and Tested Deep learning models for a variety of tasks.

Oura AI

June 2025 – Present

Founder/ Independent AI Researcher

- Designed and prototyped multiple AI systems across Arabic NLP, LLMs, and applied ML for Robotics & IoT.
- Built working pipelines including data ingestion, model training, inference, and evaluation for different use cases.
- Implemented LLM fine-tuning, RAG systems, and vector-database based retrieval for real-world information tasks.
- Benchmarked models for latency, memory, and accuracy to assess feasibility for on-device and edge deployment.
- Performed technical and market validation to determine which ideas could scale into real products.

Courses & Certifications

- Certified Google Tensorflow developer.
- Deep learning Specialization by Andrew ng. (Coursera)
- AWS machine learning specialty Course by Frank kane. (Udemy)

Competitions

- ML4SCI: Ranked 2nd place Globally in the nuclear magnetic resonance challenge, multi variate regression problem.
- SDIAI smart cities challenge: finalist out of 200+ for the pothole severity challenge a computer vision problem.
- WIDS: top 5% Globally out of 800+ competitors, Solving an energy consumption estimation problem.
- Participation in IEEEExtreme 16.0, A 24-hour problem solving competition.