

Abdulrahman Al-Taweel

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Doha, Qatar | Qatari

Education

Carnegie Mellon University

B.S. Computer Science

GPA: 3.84 / 4.0

2023 – Present

Experiences

Nakilat Intership

IT Department

07/2024 – 08/2024

- Created a demo application using Dynamic365 and JavaScript, replicating the core system functionality.
- Engineered a custom AI solution for invoice reading, automating the entire document processing workflow.
- Optimized automated procedures for invoice handling,

OpenstackSDK Ironic Internship

Software Engineer

05/2024 – 07/2024

- Implemented major functionalities "node history" and "node events" for cloud resource management.
- Collaborated in resolving a critical issue with Virtual Interfaces (VIFs) for the SDK.

Qatar Financial Markets Authority Internship

IT Department

10/2023 – 12/2023

- Automated Excel tasks including merging sheets and data manipulation through Python
- Gained experience with Oracle Database systems

Independent Study: Autonomous Robotics

Carnegie Mellon University Qatar

01/2025 – 05/2025

- Implemented core computational methods and models for perception, reasoning, decision-making, and planning in robotic systems.
- Gained hands-on experience using the Robot Operating System (ROS) in the Gazebo simulation environment.
- Engaged in weekly presentations and discussions, demonstrating a strong understanding of the material.

Projects

City Predictor

Project Overview

2024

- Created a City Classifier using a Convolutional Neural Network (CNN) to classify images by city with 84% accuracy and 93% top-3 accuracy.
- Built a data scraper for gathering city images, optimized using multithreading to handle large volumes of data.
- Applied various classification techniques including CNNs, K-NNs, and SVMs to improve model performance.
- Worked with team members on data cleaning, feature engineering, and model training

Skills

- **Languages:** Arabic (Native), English (Fluent)
- **Programming Languages:** Python, C, HTML, CSS, SQL, SML, x86, Bash
- **Tools:** Git, Gerrit, Godot Engine, ROS, Tensorflow, Keras
- **Knowledge in:** Machine Learning, Artificial Intelligence, Functional Programming, Computer Systems, Software Engineering, Linear Algebra, Discrete Math, Calculus, Probability Theory, Theoretical Computer Science, Parallel and Sequential Data Structures and Algorithms

Academic Engagements

- **Dean's List, CMUQ**
Spring 2024, Fall 2024
- **Qatar Collegiate Programming Contest** **09/2024 – 09/2024**
Competitor, 7th place
- **Game Development Club, CMUQ** **01/2024 – Present**
President
- **Ministry of Education, Qatar** **05/2022 – 08/2022**
International Chemistry Olympiad