

EJMEN AL-UBEJDIJ

Albanian ◇ Resident in Qatar, Al-Wakra
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EDUCATION

Hamad Bin Khalifa University	<i>2022 - Present</i>
Bachelor of Science in Computer Engineering	GPA: 3.85/4.0

WORK EXPERIENCE

Teaching Assistant for Lab Sessions, Hamad Bin Khalifa University *Jan 2025 - Jun 2025, Doha*
Assisting Dr. Ali Safa in lab sessions for DSEG682 Special Topics in Data Science and Engineering, supporting students with hands-on experiments and clarifying key concepts.

Student Research Assistant, Texas A&M University at Qatar *Sep 2024 - Jan 2025, Doha*
Currently working on a project in computer vision, assisting with research tasks and contributing to the development of algorithms and models for image analysis.

IT Support Assistant, Carnegie Mellon University at Qatar *Jul 2024 - Aug 2024, Doha*
Provided IT support services including server installation, printer setup and maintenance, and general technical assistance to faculty and staff.

Software Engineer, QASR Startup *May 2024 - Sep 2024, Doha*
Visualize Files from Eclipse Software for Oil Reservoir Simulation and Recreated several Python libraries into Dart.

Computer Engineering Program Admin Assistant, HBKU *Feb 2023 - Sep 2024, Doha*
Provide administrative support to the Computer Engineering program, assisting with tasks such as scheduling, documentation, and event organization.

Contracts and Administrative Coordinator, HBKU *Sep 2022 - Jan 2024, Doha*
Recorded and managed the entire HBKU database of contracts using Excel. Supported the Partnerships Office with various administrative tasks.

SKILLS

Software Skills

Microsoft Office, Android Studio, Sanity, Figma, Pspice, NI Multisim, Photoshop, Illustrator

Programming Language

Python, Java, TypeScript, C, LaTeX, Dart

Development Areas

Fullstack (Next.js, Vercel, Tailwind css, three.js(3d graphics)), Database (Firebase, Microsoft excel), Mobile (Java/Kotlin), Machine Learning (TensorFlow, Sci-Kit), IoT (Arduino)

Languages

English (IELTS 7.5), Albanian, Arabic (native)

PROJECTS

Cancer Cell Analysis App for Medical Tablets, HBKU *2024 - Present*
Developing an app using a customized AI model with QuPath for cancer cell detection and classification on medical tablets to aid diagnostics.

Mobile App for AI-Based Solar Panel Diagnostics, HBKU *2024 - 2025*
Developing a mobile app to send data from solar panels to an AI model for real-time diagnostics, optimizing performance and maintenance.

Corporate Website Development, PPP Worldwide Consultancy *2024*

Built the website for PPP Worldwide Consultancy (pppwwc.com) using Next.js, three.js, Firebase, Vercel, and Sanity, featuring a CMS, secure authentication, and scalable deployment.

HBKU Student Scheduler Website, HBKU 2024

Created a website for HBKU students to resolve class conflicts caused by different scheduling systems between HBKU and TAMUQ, aiding both students and professors. Built with Next.js and Firebase.

Student AI Helper App 2024

Created an Android app for attendance using fingerprint authentication, real-time integration, math support via Desmos, and an AI speech-to-text grammar checker for Arabic and English. Built with Java.

Privacy-Preserving Emotion Detection on Raspberry Pi, HBKU 2024

Developed an emotion detection system using PyTorch on Raspberry Pi, ensuring privacy preservation by processing emotions locally. Implemented Flask to connect the Raspberry Pi to an AI server for enhanced inference.

Arabic Sign Language Interpreter, HBKU 2023

Created a sign language interpreter for Arabic using two models: one for words and one for characters. Integrated an interface with text-to-speech, head gesture control for touchless navigation, and Mediapipe with TensorFlow and Flask for real-time interpretation.

CERTIFICATES AND AWARDS

Tsinghua EE 2025 Summer School, Department of Electronic Engineering, Tsinghua University 2025

President's List, Hamad Bin Khalifa University 4 Consecutive Semesters (2022-2025)

Finals for Qatar debate national tournament 2024

Texas A&M EEP Machine Learning & Hands-on Robotics 2024

Carnegie Mellon's Lifeline Hackathon, QQQ 2024

QCPC: 13th/36, Representing Team HBKU 2023

8th place across all IT majors in Qatar 2022

Tariqi program Sponsorship, Alfardan Group 2022

1st Place at The 13th National Robotics Competition, Qatar Scientific Club 2021

TALKS AND VOLUNTEERING

Organized the AI in Engineering Debate at HBKU, HBKU 2024

Computer Engineering Students Representative, HBKU 2024

Amir Cup 2021 Final, Local Organizing Committee 2020

Volunteered to organize and facilitate the procedure of Amir Cup 2021 final match

Future compass program, Local Organizing Committee 2018

Volunteered to Future compass program to help students with their future choices

Hamad Medical Corporation website, Hamad Medical Corporation 2016

Volunteered to make a website to support hospitals.