

Hafez Al Khatib

Computer Engineer

Continuously learning Computer Engineer with multiple areas of interest such as machine learning, deep learning, and software engineering. Hard-working and cooperative in teams, highly creative, ambitious, and naturally curious. I excel at systematic and analytical work.



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Mazboud, Lebanon

EDUCATION

Bachelor of Computer Engineering Beirut Arab University

09/2019 - 06/2023

Debbieh, Lebanon

General Sciences Beirut Baptist School

09/2018 - 06/2019

Beirut, Lebanon

PERSONAL PROJECTS

Firefighter Vital Signs Monitoring System & Team tracking and following (10/2022 - 06/2023)

- Automating a Tello drone to track and follow people using MobileNetV3+SSD neural network.
- Collecting carbon monoxide, blood oxygen concentration, and heart rate vital signs from firefighters in real time.
- Uploading these vital signs through an IoT-based mesh network to a central station.
- Uploading the vital signs to an SQL Database.
- Creating a live monitoring application using Flutter integrated with SQL.

Heart Disease detection using Machine Learning Algorithms (08/2022 - 08/2022)

- Small project for improving my skills in machine learning.
- Achieved a 98% testing accuracy.
- Tried algorithms such as SVM, Logistic Regression, Decision Trees, and Random Forests.

EXPERIENCE

Machine Learning Internship Beirut Rafic Al-Hariri International Airport

07/2022 - 10/2022

Beirut, Lebanon

Achievements/Tasks

- Successfully optimized a Machine Learning model using Decision Trees to predict rainfall on a future day.
- Tested Multiple Algorithms such as Support Vector Machine (SVM), Logistic Regression, and Random Forests.
- Achieved a 95% testing accuracy using Decision Trees.
- Built a Linear Regression model on a different dataset for probability of rainfall prediction with percentages as output using mathematical calculations instead of libraries.

SKILLS

Machine Learning Theory and Applied

Software Engineering

Networking

Database Management

C

C++

Java

Python

SQL

SOFT SKILLS

- Problem Solving
- Communication Skills
- Teamwork & Collaboration
- Positive Mindset & Motivation
- Critical Thinking
- Creativity
- Detail-Oriented Critical Analysis
- Respectfulness and Friendliness
- Formality
- Researching & Questioning
- Stress Management

ORGANIZATIONS

IEEE - Student Branch BAU (03/2021 - 06/2023)

Vice Chair

LANGUAGES

English
Full Professional Proficiency

Arabic
Full Professional Proficiency

French
Limited Working Proficiency

INTERESTS

Reading

Writing

Poetry

Music

Video Games

Machine Learning

Chess