

SHAHD BAROUD

CONTACT DETAILS

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Shahad Baroud

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Jeddah, Saudi Arabia

EDUCATION

Bachelor's Degree in Artificial Intelligence

University of Jeddah | Mar 2023

GPA: 4.76 out of 5.00 (With First Honors)

VOLUNTEERING

- Volunteered to teach Python for juniors and supported over 400 students in attaining high grades in the fundamental programming course by creating educational videos at University of Jeddah in Apr 2021.
- Volunteered to help the Artificial Intelligence and Computer Science department with the Robot Parade Initiative to celebrate the Saudi National Day by building and programming robots to perform the parade.

ACHIEVEMENTS

- First Place Award for the Best Senior Project.
- Certificates of Excellence.
- First Place in Competitive Programming Contests.

SKILLS

- C++
- C Sharp
- Python
- Java
- Data Preprocessing
- Data Exploration
- Data Analysis
- Artificial Intelligence
- Front end Web Development
- Machine Learning
- Task Automation
- Robotics
- Leadership
- Teamwork

LANGUAGES

- Arabic:** Native
- English:** Advanced

References are available upon request.

CAREER OBJECTIVE

Innovative and Diligent Artificial Intelligence Graduate capable of developing data analysis plans to support business objectives and deploying machine learning models and algorithms into production systems. Proficient in analyzing data sets and extracting insights using statistical and machine learning techniques. Adept at maintaining and developing websites using web technologies. Seeking a challenging position where the range of skills would be put to good use to further the objectives of the business.

WORK EXPERIENCE

Computer Vision Trainee

Experts Vision Consulting | Jul 2022 - Aug 2022

- Participated in competitive programming competitions, earning first place multiple times.
- Utilized YOLOv4 model in combination with the Deep Sort algorithm to identify individuals moving in the opposite direction, leading to traffic build-up.
- Collected and analyzed large datasets to train machine learning models for computer vision tasks.
- Conducted research and testing to evaluate the effectiveness of different computer vision models and techniques.
- Developed an object tracking function to boost model performance by reducing the number of frames processed, detecting solely a portion of the frame for improved detection accuracy.

PROJECTS

Smart Irrigation System for Plants (Senior Project)

- Connected the microprocessor to Google Sheet for data transmission.
- Trained a machine learning model to determine the plant's state (Hydrated or dehydrated) based on the data received.
- Addressed problems related to negligence, overwatering, and distant smart cities successfully through the system.
- Designed a circuit that consisted of a microprocessor (ESP32) and various sensors to gather environmental data about the plant.
- Turned the water switcher on or off automatically without human intervention based on the machine learning (ML) decision.

Jeddah Restaurant Recommendation System

- Acquired customer data from Google reviews.
- Trained the data on a user-based model to identify similar preferences among users for recommendation purposes.
- Processed and manipulated the data to address sparsity and pattern deficiencies, then employed various techniques for analysis.

CERTIFICATIONS

- Nanodegree - Introduction to Machine Learning with TensorFlow**
| Udacity | Sep 2021

COURSES

- Deep Learning and Computer Vision A-Z: OpenCV, Solid-State Drive (SSD) and Generative Adversarial Networks (GANs)**
| Udemy | May 2021
- Python for Data Science and Machine Learning Bootcamp**
| Udemy | May 2021