

Hagar Tarek Abdelfatah Mohamed Shaheen

Undergraduate Software Engineer

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Profile

I am a 3rd year student at the Faculty of Computer Science at Alexandria University, specializing in Artificial Intelligence. Passionate about technology, I am actively involved in expanding my skills across various industries. Currently, I am dedicating myself to mastering Machine Learning and Deep Learning techniques, aiming to leverage their potential in solving complex problems. I have also learned React and Next.js while volunteering at IEEE, and I've applied these skills in creating several projects within the web development industry. This journey allows me to stay updated with the latest trends and technologies while enhancing my capabilities in software development.

Education

Intelligent System Dept. 🔗 <i>Faculty of Computer and Data Science, Alexandria University</i>	10/2021 – present Alexandria, Egypt
<ul style="list-style-type: none">• CGPA: 3.7• Expected Graduation Year: 2025	

Organizations

ElCoder FCDS <i>HR Staff member</i>	10/2023 – present Alexandria, Egypt
IEEE Computer Society <i>Technical Volunteer in Web Team</i>	4/2024 – present Alexandria, Egypt

Projects

E-commerce 🔗

Frontend Website made with ReactJS, NextJS, Redux

- Developed an e-commerce website showcasing skills in NextJS.
- Designed an intuitive user interface for easy navigation and optimal user experience.
- Integrated a shopping cart using Redux.

Flower Classification 🔗

Deep learning model made with Python

- Categorized 104 different types of flowers.
- Applied pretrained famous CNN Architectures; VGG and ResNet.

Violence Detection

Binary Classification made with Python

- Demonstrated proficiency in machine learning techniques, Python programming, and deep learning frameworks to develop an effective solution for violence detection.
- Employed CNN and (LSTM) architectures.

Patient's Sickness Prediction System

Machine learning project made with Python

- Applied dimensionality reduction methods such as PCA.
- Used T-SNE for high-dimensional data visualization and KMeans for prediction.

Courses

Internet of Things (IoT)

MyCommunication Academy

- IoT Overview and Network Layer Technology Overview
- IoT Devices, Protocols, communication technologies and Cloud

Deep Learning Specialization

Coursera - DeepLearning.AI

- Neural Networks and Deep Learning
- Hyperparameter Tuning, Regularization and Optimization
- Structuring Machine Learning Projects

Open-Source Development

ITI - Information Technology Institute

- HTML, CSS, JavaScript
- MySQL
- PHP

Skills

Frontend Web Development

HTML, CSS, JS, ReactJS, NextJS, Redux.

Computer Vision

image and video processing, object detection, and recognition using Opencv Python.

Deep Learning

Implementing deep learning algorithms such as ANN and CNN.

Computer Science

Data structures, and software engineering practices.

Activities

- Volunteered in a variety of eco-friendly activities in ADNOC-Abu Dhabi.
- Event Organizer at ICS-Abu Dhabi Innovation Event.