

Ali Abdallah

Junior Software Engineer


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Hardworking bachelor's degree computer science student passionate to try new things, have a strong knowledge in OOP, Data Structures, Algorithms and Databases, interested in Data Science and Machine Learning.

Education


Senior Computer and Information Sciences student at Ain Shams University. October 2020 - Present

Cairo, Egypt

Software engineering scholarship student at ALX Africa  and Holberton school. February 2023 - Present

Experience

Computer Vision Summer Training August 2023 - September 2023


Offered by ApplAi  at Ain Shams University.

Duration: 4 weeks.

Description: We studied introduction to Deep learning, fundamentals of CNN, CNN architecture, Object Detection and Object Segmentation. I got 1st place in 3 of 5 Kaggle competitions and my completion project was in the top 10.

For more information , the Completion Project  and the certificate .

Machine Learning Workshop February 2023 - February 2023

Offered by ApplAi  at Ain Shams University.


Duration: 2 weeks.

Description: Basics of machine learning and a completion project. Here is the Project and the certificate .

Blockchain Developer Intern August 2022 - September 2022

Offered by NEAR Arabic and powered by NEAR Foundation .


Duration: 2 months.

Description: During this internship, I received comprehensive training in developing decentralized applications on the NEAR Blockchain. The program encompassed extensive research in blockchain industry topics, followed by hands-on experience in building decentralized applications alongside a teammate. I gained proficiency in smart contract development, optimizing transactions, and ensuring data integrity within the NEAR Blockchain ecosystem. See the certificate .

Software Testing Summer Training August 2021 - September 2021

Offered by Support Club  at Ain Shams University.

Duration: 4 weeks.

Description: The training covered theoretical aspects of software testing. Here is the certificate of completion .

Web Development Summer Training August 2021 - September 2021

Offered by Ain Shams University.

Duration: 3 weeks.

Description: Fundamentals of front-end track in web development. Here is the completion project .

Projects

English Sign Language Recognition  August 2023 - September 2023

Using Landmark detection technique and CNN model I was able to build 2 models that can detect and classify the English sign language. I used the landmark technique with Random Forrest model to deploy the application at the end with 99 % test accuracy.

Data Security Algorithms

February 2023 - May 2023

Implementation of 15 algorithms in C#, including AES, DES, Playfair, and others. We conducted tests to validate their functionality.


Smoking Detection

April 2023 - May 2023

The Data Analytics project in it we perform data analysis on bio-signals dataset to detect and monitor smoking behavior using machine learning classification models.

Spam Detection

April 2023 - April 2023

A website  that you can predict through if a message is spam or not.

Loan Prediction

February 2023 - February 2023

This project aims to predict if the loan will be accepted or not. Implemented by Jupyter notebook in Python.


FOS

October 2022 - January 2023

FOS is a simple operating system implemented in C.

Verified Profile

September 2022 - September 2022

This project was about verifying the identity of anyone would get into a blockchain community using blockchain technology. It has 2 parts; the first part is the backend side implemented in AssemblyScript and the second part is the frontend side implemented in React.js in NEAR environment. See the certificate .

Mini Wasalni

April 2022 - June 2022

C++ program that allows the user to enter the graph "map" which representing the towns then find him the shortest path to reach his destination from any given source town. It was a teamwork; my task was making Dijkstra and SPFA algorithms.

Skills

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|-------------------------|-----------------------|---------------------|
| ● Problem Solving | ● Data Visualization | ● CSS |
| ● OOP by Java | ● Data Mining | ● JavaScript |
| ● Data Structure by C++ | ● Microsoft Office | ● Assembly Script |
| ● C# | ● Data Security in C# | ● Operating Systems |
| ● Databases | ● Python | ● Git |
| ● SQL | ● R | ● Bash |
| ● Data Analysis | ● Machine Learning | ● Emacs |
| ● Statistical Analysis | ● HTML5 | ● Vim |