

Sandra Hany

Software Engineer

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Profile

Knowledgeable Technical Intern with quality-driven and methodical approach to completing daily tasks and solving complex problems. Excellent communication and analytical abilities.

Education

BS.c Computer And Communication Engineering, Cairo University

09/2018 – 06/2023 | Cairo, Egypt

Grade: Very Good

Graduation Project : Excellent

IGCSE, Misr Language School

09/2015 – 06/2018 | Giza, Egypt

Professional Experience

Software Engineer, Taqa Gas Company

10/2021 – 11/2021 | Cairo, Egypt

Participated in developing UI components for the company's website using .Net framework , designed highly efficient CRUD queries and stored procedures on SQL DB.

Software Engineer, Innovitics

07/2022 – 09/2022 | Cairo, Egypt

Developed an IOS application using storyboards and interface builder. The application was designed using MVVM architecture , and deployed on Azure. The backend was developed using LaravelPHP.

Skills

C++	● ● ● ● ●
python	● ● ● ● ●
R	● ● ● ● ●
Laravel PHP	● ● ● ● ●
Swift UI	● ● ● ● ●
Java	● ● ● ● ●
Nodejs	● ● ● ● ●
React.js	● ● ● ● ●

Projects

Twitter Web clone

Deployed twitter website clone using AWS and Docker. This was a part of a project that cloned twitter blogging service.

Match Reservation System

Used Node.js to build the backend part of the system and MongoDB for the database.

Board Game

Created a board game using C++, implementing the concepts of object Oriented Programming.

Search Engine

Developed a crawler based Search engine using java, Node and React.js.

Movie Recommendation System

Used unsupervised learning technique , K-means clustering, along with map-reduce algorithm on preprocessed data to recommend movies similar to the users' search criteria

Number Plate Recognition System

Used image preprocessing techniques , e.g histogram equalization, binarization and Gamma correction to preprocess images fed to a ML model to recognize the number on the car number plates.

Languages

English, French, Arabic

Certificates

- Full Stack Web Development With React
- Full Stack Web Development With Angular
- Big Data
- Data Science
- Deep Learning
- Artificial Intelligence Analyst IBM Exam