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SKILLS

C++

OOP

Python

MySQL

JavaScript

QT Creator

HTML

CSS

Teamwork

Data Science

Communication

Time Management

Web Development

Nourhan Ahmed

systems and biomedical engineering undergraduate at Cairo university

I am dedicated to continuously learning and mastering programming languages such as C++, Python, HTML, and CSS while seeking to contribute innovative solutions through my ever-growing skill set.

EDUCATION

Systems and Biomedical Engineering

Cairo University

10/2020 - Present

GPA: 3.8

International General Certificate of Secondary Education (IGCSE)

MLS

09/2017 - 06/2020

score: 99.7%

EXPERIENCE

8th Undergraduate Engineering Mathematics Research Forum

Cairo University

10/2022 - 12/2022

Achievements/Tasks

- worked in a team of eight members in a research project about different gas leakage detection methods using partial differential equations (PDE) and developing a mathematical model to obtain accurate results.

Biomedical Engineering Training

Baheya Foundation

09/2022 - 10/2022

Achievements/Tasks

- experienced the tasks of a biomedical engineer which included the maintenance of various devices such as the DC shock and the infusion pump, checked the chemotherapy, radiotherapy, physiotherapy, and oncology departments and finally, I learnt how to calculate the estimate daily expenses of medical devices as well as the maintenance costs.

COURSES AND CERTIFICATES

Full Stack Web Development (05/2023)

skills: HTML, CSS, JavaScript, Node.js, MongoDB

Introduction To Database for Back-End Development (02/2023)

skills: MySQL, DBMS

Intermediate Python (03/2023)

skills: Python, NumPy, Pandas

PERSONAL PROJECTS

Prosthetics Department Website Development (05/2023 - 06/2023)

- Worked on the full stack development of a website of a hospital (Orthopedics department) using HTML and CSS. I also used JavaScript to connect the front-end of the website to the database using react platform.

Cardiovascular Risk Factor Prediction (machine learning) (05/2023 - 06/2023)

- Created a program that predicts the likeability of having a cardiovascular disease within ten years given various factors using a set of data from Kaggle. I trained 80% of the data and tested it on the other 20% which gave me accurate results by 88.7%.

Admin Dashboard (11/2022 - 12/2022)

- Created an OOP-based project that is customized for a college admin using C++ AND QT creator. I collected the data needed to acknowledge all the actions that the admin might perform, created a database of different students, professors, and courses to test if everything works as expected and checked that all the validations are passed.