Doha Ramadan

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Extracurricular Activities

Web development committee member — Google Developer Student Club, Cairo University
October 2021 – Present
- Learned new tools such as Adobe XD for web design and Vue.js for web development.
- Helped in the development of the Google Developer Student Club – Cairo University – Faculty of Computers and Artificial Intelligence website.

Graphic design committee member — TREE, Cairo University   *October 2020 – Jul 2021*
- Helped with the creation and editing of campaigns posters, banners and TREE social media pages designs using Adobe Photoshop and Adobe Illustrator.

Education

Bachelor's Degree in Computer Science — Cairo University (Cairo, Egypt)   *Sep 2019 – Oct 2023*
- Overall GPA: 3.36/4.0
- Key Classes: Data Structures, Design and Analysis of Algorithms, Database Management System, Operating Systems, Networks, Advanced Software Engineering, Design Patterns.

Projects

Mobility App[SOLID, Design patterns, SQLite, OOP, Java, Spring boot, Postman] :
- A ride-booking app where clients can ask for a ride and drivers can offer a ride.
- A project for Advanced Software Engineering course.
- Developed the core logic with team members.
- Integrated app functionality as web services using Spring boot and Postman.
- Applied SOLID principles and design patterns.

Diabetics Prediction using Logistic Regression[Python] :
- Graduation Project for Google Developer Student Club Machine Learning workshop.
- A Machine Learning model to predict whether a person is diabetic or not based on attributes describing aspects of each person's health using logistic regression.

Online University Library Website[HTML, CSS, JavaScript, Django] :
- A website to help student view the books in their university's library. Students can sign up, sign in, borrow a book, extend their borrowing period and return the book. Only the admin can add new books, modify or delete existing ones.
- A project for Web technology course.

K-means Clustering Algorithm Implementation[C, OpenMP]
Library Management Website[HTML, CSS, JavaScript, Django]
DHCP Protocol Simulation[Java]

Skills & Awards

Technical Skills:
- Knowledge and experience with software engineering concepts such as SOLID principles, design patterns, architectural patterns, and UML diagrams.
- Knowledge and experience with algorithms, big "O" analysis and data structures such as Segment tree, Disjoint sets, Graph traverse and Dynamic programming.
- Programming Languages: C++, Python, Java and JavaScript.
- Frameworks: Django, React, Vue.js.