

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.
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Education

Bachelor's Degree in Computer Science — Cairo University (Cairo, Egypt)

Sep 2019 – Oct 2023

- Overall GPA: 3.35/4.0
 - Key Classes: Data Structures, Design and Analysis of Algorithms, Database Management System, Operating Systems, Networks, Advanced Software Engineering, Design Patterns.
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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.

[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.

[Library Management Website\[HTML, CSS, JavaScript, Django\] :](#)

- A website to help library owners to view their stock and add new books or modify and delete existing ones based on book name using the search functionality or category-based search.
- A self-study project to strengthen my technical skills.

[DHCP Protocol Simulation\[Java\] :](#)

- A program to simulate how the Dynamic Host Configuration Protocol works and how the server assigns IP addresses when a client asks for it.
 - A project for Computer Networks Technology course.
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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.