Ahmed Khaled Nasr

Web Developer

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Objective

Seeking opportunities to leverage my web development skills (HTML, CSS, JavaScript, Bootstrap) and proficiency in C/C++ for competitive programming. As a fourth-year Computers and Artificial Intelligence major at Helwan University, I aim to apply my knowledge and creativity to real-world technology projects.

Education

Helwan University, Cairo, Egypt

10/2021 - Current

- Studying in the Computer Science department at the Faculty of Computers and Artificial Intelligence.
- ranking 10th with an overall grade of A+ and a GPA of 3.7 (Excellent).

Skills

- C++ | C | Html | CSS | JavaScript | TypeScript | React | Bootstrap | Python | Java | SQL | PHP
- GIT | GitHub | spring boot | OOP | C# | Problem Solving Skills | Competitive programming

Projects

Algo Draw: (using pure HTML, CSS, and JavaScript.).

(10/2023)

- Developed an interactive algorithm visualizer website that assists over 3000 **students** in understanding and learning algorithms through interactive, visual demonstrations.
- Currently it features several sorting and searching algorithms, with plans to add more.

<u>Bin Packing Problem Solver</u>: (using Backtracking and Genetic Algorithms in Python).

(12/2023)

- Created a solution for the classic optimization challenge of efficiently packing items into a minimal number of bins.
- This problem has real-world applications in logistics, resource allocation, and space optimization.

Social Media Platform: (using Java Spring Boot with MVC, ORM & Microservices Architecture).

(04/2024)

- Developed a scalable social media platform using Java Spring Boot with MVC architecture, ORM, and microservices.
- Ensuring secure data management and user authentication.

Wordle Game: (Using React and Bootstrap.)

(09/2024)

- implementing responsive design for both desktop and mobile devices.
- Created and optimized a custom regular expression for character input validation, ensuring compatibility across different platforms.

Ecommerce website: (Using HTML, CSS, JavaScript, PHP, SQL, and Bootstrap.)

(12/2023)

Developed a website for Furni, a one-stop shop for furniture and household items.

Gym Management system: (using Java, OOP in Java & SQL).

(04/2022)

Built a gym management system in Java utilizing Object-Oriented Programming principles, featuring role-based access control.

Simone-Portfolio (using HTML, CSS, JavaScript, PHP, and Bootstrap)

(07/2024)

<u>Snake Game</u>: Designed a simple snake game with themes and high score saving capabilities using JavaScript.

(10/2023)

<u>Hieroglyphic Encryption Slider</u>: A modern slider that encrypts all input data.

(11/2023)

Extracurricular activities_

- Ranked 6th in Helwan ECPC Qualifications & Qualified to ECPC (Egyptian Collegiate Programming Contest)-2024.
- won 2nd place prize in Microsoft student partners Helwan branch (MSP) competitive programming contest.
- volunteer in IEEE Helwan Student Branch as an instructor.
- participated in ICPC ECPC Qualifications and ranked 84th.
- completed a 45-hour training (innovegypt tiec) and developed a final project for a potential startup.