

Hussein Mohamed Saad Zaghloul

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SUMMARY

Software Engineer specializing in the MERN stack (MongoDB, Express.js, React, Node.js), with a strong academic background (ranked 4th in class, GPA 3.35). Proficient in designing RESTful APIs, building responsive UIs with React, and developing scalable backends using Node.js/Express.js. Skilled in modern JavaScript (ES6+), HTML5/CSS3, and problem-solving with data structures/algorithms. Passionate about full-stack development and eager to leverage technical expertise in dynamic projects to deliver robust, user-centric applications.

EXPERIENCE

Open source track | Full Stack Web Developer

Information Technology Institute

November 2024 - Present, Cairo, Egypt

- Developing a Shell Scripting Database Management System with both CLI and GUI versions.
- Building a front-end e-commerce website using vanilla JavaScript.
- Creating a dynamic movie app using React.
- Designing and developing a full-stack book-reading website using the MERN stack.

EDUCATION

Bachelor Degree in Communications and Information Technology Engineering

Helwan University · Helwan, Egypt · 2024 · 3.35

- Grade: Excellent || GPA 3.35
- Graduation project grade: A+

SKILLS & LANGUAGES

Soft skills: Problem-solving, Time management, Adaptability, Teamwork, Leadership

Technical: HTML5, CSS3, C++, C, Bash, JavaScript, Python, MySQL, Postgres, MongoDB, ReactJS, Django, Flask, ExpressJS, OOP, SOLID Principles, Design Patterns, Clean Code, Git, GitHub, Agile Methodology, Jira.

Language: Arabic (native), English (fluent).

PROJECTS

GoodReads back-end

Information Technology Institute · github.com/eng-hussein-saad/goodreads-node · January 2025 - January 2025

- **Developed a RESTful API using Node.js and Express:** Designed and implemented a backend system for a book reading, review and recommendation platform, leveraging Node.js and Express to handle CRUD operations, user authentication, and data management.
- **Integrated MongoDB for Efficient Data Storage:** Utilized MongoDB as the database to store and manage user data, book details, and reviews, ensuring scalability and efficient querying for a seamless user experience.
- **Implemented User Authentication with JWT:** Integrated JSON Web Tokens (JWT) for secure user authentication and authorization, ensuring data privacy and secure access to protected routes.

GoodReads front-end

Information Technology Institute · github.com/eng-hussein-saad/goodreads-react · January 2025 - January 2025

- **Developed a Responsive Front-End Interface for a Book Review Platform:** Designed and built a user-friendly, responsive front-end using React to display book details, reviews, and recommendations seamlessly across devices.
- **Integrated with Backend APIs for Dynamic Data Fetching:** Connected the front-end application with a RESTful API to fetch and display real-time data, including user profiles, book information, and reviews, ensuring a smooth and interactive user experience.
- **Implemented State Management and Interactive Features:** Utilized state management libraries (Redux, Context API) to handle complex application states and added interactive features like search, filtering, and pagination to enhance usability and performance.

Movie-App

Information Technology Institute · December 2024 - December 2024

- **Developed a Movie Application Using React:** Built a dynamic movie application leveraging React components and props to manage and display data effectively.

- **Implemented Component-Based Architecture:** Created reusable components such as `Read`, `Create`, `Movies`, and `MovieItem` to enhance modularity and maintainability of the codebase.
- **Integrated React Bootstrap for UI Enhancement:** Utilized React Bootstrap to design responsive and visually appealing interfaces, including the implementation of card components for movie details.

E-commerce App Vanilla JavaScript

Information Technology Institute • github.com/eng-hussein-saad/e-commerce-vanilla • December 2024 - December 2024

- **Project Overview:** Developed a fully functional e-commerce website using vanilla JavaScript, HTML, and CSS, showcasing core front-end development skills without relying on frameworks.
- **Key Features:** Implemented product listings, a shopping cart, user authentication, and a checkout process, demonstrating proficiency in building interactive and dynamic web applications.
- **Technical Skills:** Utilized modern web development practices, including DOM manipulation, local storage for cart persistence, and responsive design for cross-device compatibility.

Bash Shell Script Database Management System

Information Technology Institute • github.com/eng-hussein-saad/bash-dbms • November 2024 - November 2024

- **Developed core database functionalities** like creating, deleting, inserting, updating, and selecting data.
- **Built two versions of the DBMS:** CLI-based and GUI (Zenity) version.
- **Implemented data validation and integrity** by enforcing data types and primary key constrain.

LINKS

LeetCode: <https://leetcode.com/u/enghusseinsaad/>

Hackerrank: https://www.hackerrank.com/profile/eng_hussein_saa1

GitHub: <https://github.com/eng-hussein-saad>
