

# AHMED MUBARAK

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## Education

### AinShams University

Bachelor of Computer Science, CGPA 3.65

Sep. 2021 – May 2025

Cairo, Egypt

### ALX AFRICA

12-Month Software Engineering Scholarship

May. 2023 – Apr 2024

Remote

### Information Technology Institute (ITI)

JavaScript, ES6, and React Training

Aug. 2023 – Sep 2023

Remote

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Structure Programming
- Software Engineering
- Database
- Operating System
- OOP

## Projects

### Flos Game | JavaScript, Node.js, Socket.IO, Three.js, GSAP

May 2024

- Developed a multiplayer playing card game emphasizing smooth performance and cross-device accessibility using modern web technologies.
- Implemented frontend functionalities with Vanilla JavaScript, Three.js, and GSAP to deliver engaging and interactive gameplay.
- Utilized Node.js and Socket.IO for the backend to enable real-time multiplayer matches with friends.
- Deployed the frontend continuously to GitHub Pages for easy access, Deployed the backend on Render, although initial startup may be slow due to free quota constraints.

### UBoard: Task Management Platform | Node.js, Express, TypeScript, MongoDB, Mongoose, Swagger-Express April 2024

- Developed uBoard, a task management platform for effective organization and collaboration.
- Implemented user management, board creation, task organization, and team collaboration features.
- Utilized Node.js, Express, and TypeScript for backend development, MongoDB for data storage.
- Ensured security and validation with Express Validator and Passport.js.
- Generated API documentation with Swagger-Express for easy integration.

### Know Your Professor | React, Flask

September 2023

- Leveraged React for front-end and Flask for back-end development.
- Implemented a RESTful API with clear endpoint design, robust security measures, and thorough documentation for seamless integration.
- Utilized ORM (Object-Relational Mapping) to streamline database query handling, enhancing data management efficiency.
- Employed JSON Web Tokens (JWT) for secure authentication, ensuring user data protection and access control.

## Technical Skills

**Languages:** Python, Java, C, C++, HTML/CSS, JavaScript, TypeScript, SQL

**Technologies/Frameworks:** Node.js, Express, Sockets.IO, Mongoose, React, Linux, Postman, GitHub