ESLAM MEDHAT KAMEL SOLIMAN

Computer Engineering Graduate | Teaching Assistant Candidate

eslammedhat772@gmail.com Cairo-Egypt +201112342484

linkedin.com/in/eslam-medhat-4abb4529a/ github.com/ESLAM-MK/

PROFILE

Computer Engineering Graduate from Helwan University (Grade: Very Good) with a strong background in Computer Science fundamentals, Software Engineering, and Web Technologies. Passionate about academic instruction, mentoring undergraduate students, and conducting research in software architectures. Seeking a Teaching Assistant (Demonstrator) position in Computer Engineering / Computer & AI faculties to leverage strong technical capabilities, hands-on software development experience, and a commitment to high-quality academic mentoring.

EDUCATION

Bachelor of Computer Engineering 09/2019 – 05/2024

Faculty of Engineering, Helwan University – Cairo, Egypt

- **Cumulative Grade:** Very Good
- **Department:** Computer and Systems Engineering Department
- **Graduation Project:** Student Information Management System (MERN Stack)
    - **Project Grade:** Excellent
    - **Supervision:** Supervised by Department Academic Faculty
    - **Key Contributions:** Designed a scalable multi-role system architecture handling student records, course enrollments, and academic performance tracking using React, Node.js, Express, and MongoDB.

TECHNICAL SKILLS

Academic & Teaching Areas
Data Structures, Algorithms Analysis, Object-Oriented Programming (OOP), Software Architecture & Design Patterns, Non-Relational Databases.

Programming Languages
JavaScript (ES6+), TypeScript, C++, HTML5/CSS

Databases & Tools
MongoDB, Socket.IO, RESTful APIs, Git, GitHub, Postman.

Web & Systems Engineering
Database Systems (NoSQL), Web Architecture, Computer Networks, Full Stack Web Development (MERN / Next.js).

Frameworks & Libraries
React.js, Next.js, Node.js, Express.js, Redux Toolkit, TanStack Query, Tailwind CSS, Material UI

EXPERIENCE

Trainee ICC: MEARN Stack Development 01/2026 – 06/2026

Information Technology Institute (ITI) Cairo, Egypt

View Certificate

- Completed an intensive Full-Stack MEARN program at ITI, mastering MongoDB, Express.js, React, Node.js, and Nest.js through rigorous hands-on training.
- Developed scalable web applications utilizing modern JavaScript/TypeScript, RESTful APIs, and component-based front-end architectures (Next.js & React.js).
- Implemented production-style projects with a strong focus on clean architecture, performance optimization, and software engineering best practices.
- Collaborated with cross-functional development teams under industry professional mentorship, utilizing Git/GitHub and agile methodologies.
- Applied Design Patterns (MVC, Repository, Singleton) and software architecture best practices to write scalable, maintainable, and reusable code.
- Integrated MongoDB with full CRUD operations and structured data modeling to support complete end-to-end web solutions.

INTERNSHIPS

Web development (Mean Stack track) internship at ITI – remotely 09/2024 – 10/2024
View Certificate remote

Flutter internship at ITI – remotely 07/2023 – 08/2023
View Certificate remote

CCNA training at NTI 08/2022 – 09/2022
View Certificate Smart Village,Cairo

Circuit design - faculty of Engineering, Helwan university 08/2021 – 09/2021
Helwan

PROJECTS

Sena3et-Na — Circular Economy Solutions | MERN Stack, Socket.io, AI Integration | ITI Graduation Project
-Live Demo .

Multi-Role E-Commerce Backend & Payment | Node.js, Express.js, Socket.io, MongoDB, Paymob, Brevo
-Source Code

Smart Home Security Bundle Builder | React, Redux Toolkit, Tailwind CSS
-Live Demo -Source Code

AniVerse (Backend) | Collaborative Project
-Source Code

LANGUAGES

Arabic
Native

English
Excellent

MILITARY STATUS

Completed