Mohamed Husaam Eldin Mohamed Hamdy

mohamedhussam356@gmail.com   01150565129   Cairo, Nasr City   LinkedIn Profile   GitHub Profile

Personal Information

Highly motivated Software Engineer and Quality Engineer with a passion for creating user-centered applications. Seeking opportunities to leverage strong leadership and teamwork skills gained from volunteering experiences and contribute to impactful projects in a professional setting.

Experience

Internship Program
Digital Lab

07/2024 – 09/2024
Cairo, Egypt

Worked on Ministry of Petroleum Egypt project. Demonstrated self-motivation and skills to learn new technologies.

Internship Program
Qatar National Bank (QNB)

07/2024 – 08/2024
Cairo, Egypt

Education

Computer Science
Misr International University

School
Patriarchal College ex. Frere School

08/2025
Cairo, Egypt

08/2021
Cairo, Egypt

Certificates

Photoshop Diploma
Microsoft, Oracle, Pearson, ICDL

Enactus Club Certificate
Social and student activities

Great Learning Academy
Waterfall Model course

Amigoscode
SpringBoot course

Languages

Arabic
Native

English
Fluent

German
B2 Goethe

Projects

(Graduation Project): MindSpeak – AI-Driven Mobile App for Autism Communication Support

Flutter, Firebase, AI/ML

Developed a mobile application powered by AI to enhance communication skills in children with Autism Spectrum Disorder (ASD), integrating real-time speech processing, emotion recognition, and interactive 3D avatars. Led end-to-end development using Flutter and Firebase, incorporating facial and voice emotion detection, eye gaze tracking, and behavior analysis. Designed an adaptive therapy assistant that delivers personalized interactions, empowering therapists and parents with automated progress reports and real-time feedback.

Quality Assurance API Testing and Automation

Selenium WebDriver, TestNG, Java

This project involved API testing, automation using Selenium WebDriver and TestNG with the Page Object Model (POM) design pattern. The primary objective was to ensure the quality and reliability of web applications by validating API functionality, performance, and security. The project focused on identifying and resolving potential issues early in the development process to provide a seamless user experience.

Public Relations Contractual Committee System for the Ministry of Petroleum Egypt

Angular

A modern digital platform designed to simplify hotel bookings and contract workflows for PR teams, vendors, legal advisors, and staff. It enhances collaboration, automates processes, and delivers a seamless, user-friendly experience.

Tourism and Recommendation System

C#, .NET
GitHub Repository

A data-driven travel assistant that delivers personalized destination recommendations based on user preferences. Seamlessly integrates booking for flights, hotels, transport, and activities—all in one intuitive platform.

E-Commerce Web Application

HTML, CSS, JavaScript, Spring Boot, SQL
GitHub Repository

Built with HTML, CSS, JavaScript, Spring Boot, and SQL, this dynamic web application supports product browsing, cart management, secure user authentication, and order processing.

Eama Management System

HTML, CSS, JavaScript, PHP, SQL
GitHub Repository

A smart shopping platform offering personalized recommendations, AR features, and multi-vendor access with secure payments. Powered by AI.

Restaurant Web Application

HTML, CSS, JavaScript, Python, Django
GitHub Repository

Designed a modern, responsive website for Ausii Restaurant that allows users to browse the menu, place online orders, and make reservations with ease.

Technical Skills

Programming Languages	**Web Technologies**	**Frameworks & Libraries**
C++, Java, C#, Python, JavaScript, PHP, TypeScript, Dart, Kotlin	HTML5, CSS3, Bootstrap, Tailwind CSS, Node.js, Angular	.NET Core, ASP.NET, Spring Boot, Django, Flask, Flutter, JavaFX, Express.js

AI/ML & Data Science	**Databases & Testing**	**Tools & Design**
TensorFlow, PyTorch, Machine Learning, Deep Learning, Pre-trained Model Training, NLP, Computer Vision, Data Science	MySQL, PostgreSQL, MongoDB, SQLite, Firebase, Selenium, TestNG, JUnit, API Testing	GitHub, Adobe Photoshop, Figma, Power BI, Microsoft Office, Agile Methodologies, Version Control (Git), Jira

Software Engineering Practices

Programming Concepts	**Development Methodologies**	**Project Management**
Object-Oriented Programming (OOP), Design Patterns, SOLID Principles	Software Development Lifecycle (SDLC), Agile (SCRUM)	Version Control (Git), Jira Experience, Agile Methodologies

Soft Skills

- Time Management
- Teamwork
- Communication Skills
- Decision Making
- Presentation Skills
- Continuous Learning
- Problem Solving
- Adaptability