

LOJAIN MOSTAFA

Software Engineer

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Education

Bachelor of Computer Science

Misr International University

2020-2024

IGCSE

Bashayer International School

2017-2020

Work Experience

Prodigy InfoTech

Software Engineering Internship

1-Oct-2024 Present

- In this role, I will gain hands-on experience and develop valuable skills in software development. The program is designed to challenge me, support my growth, and provide a meaningful and rewarding experience, preparing me for my future career in technology.

Misr International University

Co assistant

20-March-2024 20-May-2024

- As a student assistant in the algorithm course, I facilitated lab sessions and provided guidance on coding best practices, assisting younger students in understanding and implementing coding algorithms.

Goo Business

Intern

20-Jan-2024 20-Feb-2024

- Frontend internship focused on developing an e-commerce website
- Consisted of four interconnected projects, each building upon the skills gained from the previous one
- The technologies used was HTML/CSS Tailwind

Artificial Intelligence Summer Training Camp

1 Aug, 2023, to Sept 1, 2023.

- During my time at INSTANT Software Solutions and Science Land Company I participated in a comprehensive summer training camp focused on Artificial Intelligence and Data Science. This program involved hands-on practice on applied projects across various areas, including Python for AI, Mathematics, Data Analysis, Data Science, Machine Learning, and Deep Learning. This experience significantly enhanced my skills in AI methodologies and provided valuable insights into the practical applications of data science.

Gensystem

Software developer

June 2023 Oct 2023

- Developed mobile applications and websites using Bubble.io, a no-code development platform.
- Leveraged Bubble.io's capabilities to create dynamic and responsive solutions.
- Designed and implemented a variety of features and functionalities, ensuring optimal user experiences.
- The skills gained from this experience was quiet rewarding as using Bubble.io has created dynamic and user-friendly solutions, implemented various features for optimal user experience.

Gensystem

Intern

Feb 2023 June 2023

- Developed mobile applications and websites using Bubble.io, a no-code development platform.
- Created Linkedin clone using Bubble.io

Bashayer International School

Teacher Assistant, Chemistry

2020

- Assisted the chemistry teacher in marking students' quizzes, mock exams, past papers, and exercises.
- Developed mark schemes for mock exams and various assessments.

Graduation Project

Smart Inventory

2023-2024

- Developed an innovative inventory management system leveraging RFID tags for precise tracking of inventory movements and personnel access monitoring. Integrated with Odoo for comprehensive business management, including stock control and CRM capabilities. Utilized machine learning algorithms to forecast future purchases, optimizing stock management by analyzing historical data and market trends. Implemented using Dart for mobile application development, Python for LSTM algorithms, and IoT RFID technology.

Projects

2024

Business Intelligence project- Sales Forecasting

- Conducted a comparative analysis of Linear Regression, LSTM, and ARIMA to forecast future sales using Python. LSTM demonstrated the best accuracy and lowest error. Co-authored a research paper based on the findings.

Apple 3D Product Viewer Website

2024

- Developed a React.js and Three.js website allowing users to view iPhones in 3D, enhancing the product viewing experience through interactive features.

MeCore

2023

- Developed a dynamic feed system using Flutter and Firebase, allowing users to post content, including images and text, and interact through likes and comments. Integrated real-time notifications, a messaging feature, and a robust search functionality to follow other users.

Graduation Project Tracking System

2023

- Developed a "Graduation Project Tracking" system using Apex to help students and professors efficiently follow up on tasks and project milestones without missing important deadlines. The system was designed to streamline communication and task management, ensuring that all parties stayed on track throughout the project lifecycle. This project was selected as the best project of the year by Misr International University, and I received a certificate in recognition of this achievement.

Workbridge (Hiring Platform)

2023

- Developed a hiring platform connecting job seekers and employers using Spring Boot and ReactJS. The platform featured job postings, applicant profiles, and communication tools. This project demonstrates proficiency in backend (Spring Boot) and frontend (ReactJS) development, and an understanding of job matching processes.

Sugar Fiesta

2023

- Implemented a healthy dessert shop website using Figma and AngularJS. Designed an intuitive and visually appealing user interface with Figma. Developed the frontend using AngularJS, ensuring a responsive and dynamic user experience. Implemented features such as product listings, nutritional information, and an interactive shopping cart.

Anime-Slayer-Shop

2022

- Developed an MVC-based e-commerce platform using Laravel and Tailwind CSS, featuring product listings, customizable designs, shopping cart, and checkout functionalities. Ensured responsive design and optimal user experience across multiple devices, conducted user testing, and gathered feedback for iterative improvements.

ECG Heartbeat Classification

2021

- Developed a system using Python to classify ECG heartbeats by processing ECG signal data and applying machine learning algorithms. This project highlights expertise in data analysis, machine learning, and medical applications, showcasing the ability to work with real-world data and algorithms.

Quiz Management System (OOP Course Project)

2021

- Developed a Quiz Management System using Java, allowing instructors to create quizzes, manage questions, and evaluate student responses. This project showcases proficiency in Java programming and the practical application of object-oriented programming concepts.

Certifications

MIU Certificate 2	2023/2024	Freecodecamp Course	2023/2024
MIU Certificate 1	2022/2023	AI training	Aug 2023/ Sep 2023
NASA-SPACE-APPS Hackathon	Sep 2023	Udemy Course	April 2023
GenSystem Internship	June 2023		

Additional Skills

- Programming Languages: Java, Python, C++, C#, JavaScript
- Web Development: Spring Boot, .NET, Angular, React, Laravel, PHP, WordPress, Bubble.io
- Version Control: Git
- Project Management: JIRA, Trello, Power BI
- Containerization: basic knowledge Docker
- Database Management: SQL
- Microservices Architecture
- Problem Solving
- Networking Knowledge
- Oracle Apex Development
- Object-Oriented Programming (OOP)
- Design Patterns
- API Development: PHP
- Artificial Intelligence
- User Interface Frameworks: Tailwind, Bootstrap
- Algorithm and Data Structure Proficiency