

# Mohamed Ahmed Fathy

## Web Developer | Software Engineering Graduate

Cairo, New Cairo, Egypt

+2 01151155566

[mohamedahmedxi99@gmail.com](mailto:mohamedahmedxi99@gmail.com)



## Career Objective

Passionate React developer with hands-on experience building scalable and responsive web applications using React, TailwindCSS, and modern tooling. Seeking to grow in a collaborative, product-driven environment focused on clean UI and performance.

## Education

### **BSc, Software Engineering (GPA: 3.37 B+)**

Graduated: 2025

#### **Dual Degree Program:**

- University of East London, UK
- Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt.

### **Web Development Summer Training**

[2022]

- Faculty of Computer and Information Sciences, Ain Shams University, Cairo, Egypt.

## Technical Skills

### **Programming Languages:**

- C++, Java, C#, Python, JavaScript, TypeScript

### **Web Development:**

- HTML5, CSS3, Bootstrap, Tailwind, React, Context API, React Query, React Router, Angular, RESTful APIs, **UI Libraries:** Tailwind CSS, Bootstrap

### **Backend Development:**

- Node.js, Express.js

### **Databases:**

- MongoDB, SQL

### **Other Tools:**

- Git, GitHub, Docker, Postman, Figma

### Other Skills:

- Structured & Object-Oriented Programming
- Data Structures & Algorithms
- Database Management
- Version Control (Git/GitHub)
- Machine Learning (Data Visualization, Model Development)

## Experience

### Full Stack Web Development Track

SEF Academy

[2024]

- Completed intensive **front-end and back-end development training**.
- Learned modern frontend technologies: **HTML5, CSS3, Bootstrap, Tailwind CSS, JavaScript, React.js**.
- Mastered backend skills: **Node.js, Express.js, REST APIs, MongoDB**.
- Built several hands-on projects applying full-stack concepts using real-world use cases.
- Gained practical experience in version control with **Git & GitHub**.

### Machine Learning Workshop Participant

[Applai Student Activity](#), Ain Shams University

[2024]

- Utilized Jupyter Notebook for data visualization, analysis, and preprocessing.
- Collaborated with a team to design, build, and deploy machine learning models.
- Applied machine learning algorithms to real-world datasets, demonstrating proficiency in model development.

### IT Intern

[Al-Raya Market](#), Cairo, Egypt

[2023]

- During a two-month internship, I gained hands-on experience in network management and IT operations within a retail environment.
- Enhanced teamwork and communication skills while collaborating with IT professionals.

## Projects

### [2025] **Movie Management Web App (Angular + Spring Boot)**

- Built a full-stack app with admin/user dashboards and role-based login.

- Integrated OMDb API and database for managing movies.
- Admin can search, add/remove, batch manage movies; users can browse & view details.

**Github:**

- **Frontend (Angular):** <https://github.com/Mof4thy/movie-app-angular>
- **Backend (Spring Boot):** [https://github.com/Mof4thy/movie-backend-Spring\\_Boot](https://github.com/Mof4thy/movie-backend-Spring_Boot)

### [2025] React E-commerce Web App

- Built a responsive shopping platform with user auth, cart/wishlist, and product catalog using React.js, Tailwind CSS, React Query, and Context API.

**Github:** <https://github.com/Mof4thy/ecommerce-project>

### [2025] GenHome - AI-Powered Interior Design Platform (GRADUATION PROJECT)

**Tech Stack:** React 18, Vite, TypeScript, Tailwind CSS, React Three Fiber, Three.js, React Query, Context API

GenHome is a comprehensive interior design platform that combines 2D/3D room planning with AI-powered furniture generation from images.

Key Frontend Contributions:

- Developed an advanced **dual-mode room designer** with real-time switch between 2D planning and 3D visualization using **React Three Fiber** and **Canvas 2D tools**.

**Github:** <https://github.com/GenHome>

### [2025] Mini-InstaPay - Payment Processing Platform Frontend

**Tech Stack:** React.js, Vite, TailwindCSS, Docker, Kubernetes, Axios, React Router

- Developed a responsive, component-based frontend for a microservices payment app.
- Built features including **user authentication (JWT)**, **money transfer workflows**, and **transaction history**.
- Implemented **Context API** for global state, and responsive design using **TailwindCSS**.
- Integrated RESTful APIs with **Axios**, and added **form validation and error handling**.
- Deployed using **Docker** containers within a **Kubernetes**-based architecture.

**Key Features:**

- Multi-step transfer modal with validation
- Filterable transaction history
- JWT-based login/signup
- Clean navigation with **React Router**

Github: <https://github.com/Mof4thy/mini-instapay>

## [2025] Recipe Management Web Application

**Backend Developer | Node.js, Express, MongoDB, JWT**

- Developed a full-stack recipe management application backend supporting user authentication, recipe creation/editing, and meal planning.

### Key Contributions:

- Designed and implemented RESTful API endpoints using **Node.js** and **Express**.
- Integrated **JWT-based authentication** with role-based access control.
- Modeled **MongoDB schemas** for users, recipes, and meal plans.
- Built secure **file upload functionality** for recipe images using middleware.
- Applied middleware for error handling, validation, and request logging.

Github: [https://github.com/Mof4thy/Recipe\\_backend](https://github.com/Mof4thy/Recipe_backend)

## [2024] Personal portfolio

- Built a responsive portfolio website showing projects, skills with an interactive and modern UI using React.

Github: <https://github.com/Mof4thy/Portfolio-project>

## [2024] Minions Store – E-commerce Website for Electronics

- Developed a fully functional e-commerce platform featuring user authentication, shopping cart functionality, and favorite items section.
- Integrated local storage to maintain cart and favorite items across sessions.
- Technologies: JavaScript, HTML5, CSS3, Bootstrap

[Live demo](#)

Github: <https://github.com/Mof4thy/E-commerce-electronics>

## [2024] Book Store

- Designed and implemented a dynamic bookstore application using React and Redux for state management.
- Technologies: React, Redux, JavaScript, HTML, CSS, RESTful APIs

Github: <https://github.com/Mof4thy/Book-Store>

## [2023] Saraha

- An anonymous chat app developed for the Data Structures course using C++ and WinForms for the GUI.

**Github:** <https://github.com/MohamedWael3011/SarahaWithGUI>

#### **[2022] HAND GESTURE-CONTROLLED CAR**

- Fully Functioning hand gesture-controlled car using Arduino UNO/Nano and Bluetooth Module.

**GitHub:** [GitHub - MohamedWael3011/HandGestureArduino](#)

#### **[2022] SOULOSIS**

- Music player website using HTML, CSS, and JavaScript.

**GitHub:** [GitHub - MohamedWael3011/Soulosis](#)

#### **[2022] Super Mario Bros**

- Remade the old Super Mario game using the SFML library in C++.

**Github:** <https://github.com/Mof4thy/SuperMarioSFML>

## **Additional Information**

### **Languages:**

- Arabic: Fluent (Native)
- English: B2

### **Interests:**

- Open-source contributions
- Building side projects
- Exploring new web technologies and frameworks
- Solving UI/UX and performance challenges