

FATMA GAMAL MUBARAK

Full stack developer

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Objective:

Motivated and results-driven full stack developer with strong foundations in modern web technologies such as React.js, Node.js, and MongoDB. Completed a competitive 6-month scholarship with the Digital Egypt Pioneers program, gaining practical experience in building scalable applications. Passionate about solving real-world problems and delivering optimized, user-centered solutions. Passionate about crafting pixel-perfect, responsive, and accessible user interfaces. Eager to leverage my front-end expertise and collaborative skills to build exceptional user experiences in a innovative team environment.

Technical Skills :

- **Front-End:** React.js, Redux, Context API, Tailwind CSS, Bootstrap, Ant Design, Material-UI, Axios, HTML5, CSS3, JavaScript (ES6+)
 - **Back-End:** Node.js, Express.js, MongoDB
 - **Version Control:** Git, GitHub
 - **DevOps & Tools:** Docker, Agile Methodologies
 - **UX/UI:** Responsive Design, User Experience Optimization
 - **AI & Security:** Machine Learning Basics, Information Security Practices
 - **Soft Skills:** Team Collaboration, Problem-Solving, Critical Thinking
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Projects:

Smart Home Dashboard & Real-Time Alert System (*Graduation Project*)

- Developed an interactive web-based dashboard simulating multiple rooms of a smart home with intuitive control switches for real-time light management.
- Created a real-time notification system to instantly alert users of home events, enhancing responsiveness and security.
- Designed realistic room mockups to provide a user-friendly and immersive control experience.
- Integrated responsive UI design and efficient real-time communication to ensure smooth operation and scalability.

Admin Dashboard for AICHE Student Activity | React, Redux, Ant Design, Tailwind, Axios

- Designed and developed a **full-featured front-end admin dashboard** from scratch to manage multiple sections within a student activity organization.
 - Implemented **secure authentication and RESTful API integration** for user login, account creation, role assignment, and committee management.
 - Built **scalable state management** using Redux, ensuring smooth data handling across all modules.
 - Built a responsive UI serving over **50+ administrators**, reducing the time for common tasks (e.g., committees management) by an estimated **30%** through streamlined workflows. using React, Tailwind, Ant Design, and Material UI components.
 - Collaborated directly with student activity managers to **analyze requirements and translate them into usable features**, overcoming domain knowledge challenges.
 - Improved organizational efficiency by **digitizing admin workflows**, reducing manual work and saving significant time.
 - Deployed the dashboard in production, where it is **actively used by administrators** to manage daily operations.
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Internships:

Information Security Intern

Ebank | 2024

- Contributed to a project team assessing vulnerabilities in a web-based banking portal serving **10,000+ users.**, working on strategies to protect sensitive financial data from cyber threats.

- Participated in cross-functional teams to address emerging threats and develop proactive solutions for safeguarding sensitive data.
- Maintained awareness of industry trends and developments by attending conferences, participating in webinars, and reading relevant publications on information security topics.

Artificial Intelligence Intern

National Telecommunication Institute (NTI) | 2023

- Focused on AI-driven technologies, exploring machine learning algorithms and their applications in solving real-world problems.
- Enhanced AI algorithms by implementing machine learning techniques and data analysis methods.
- Designed effective data preprocessing pipelines to ensure high-quality input data for training machine learning algorithms.
- Utilized TensorFlow and Keras libraries for building deep learning models that enhanced the overall system performance.
- Compiled, cleaned and manipulated data for proper handling.
- Developed polished visualizations to share results of data analyses.
- Modeled predictions with feature selection algorithms.

Software Intern

Ein Sokhna Port | 2022

- Gained hands-on experience in developing and maintaining software solutions for port management systems.

Education:

Bachelor's Degree in Computer Science

Suez University — *Expected Graduation: 2025*

- Relevant Courses: Data Structures, Web Development, Databases, Algorithms
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Scholarships & Certifications

Digital Egypt Pioneers Scholarship

MCIT (Ministry of Communications and Information Technology) — Egypt | 2024

Completed a 6-month intensive training program in full stack development, cloud computing, and DevOps. Worked on real-world tech projects and collaborated in agile environments.

Information Security Essentials

Ebank | 2024

Learned cybersecurity fundamentals with hands-on training in securing banking systems.

Machine Learning Internship

National Telecommunication Institute (NTI) | 2023

Specialized in machine learning algorithms using Python, TensorFlow, and Keras.

Languages

- Arabic: Native
- English: Professional Proficiency