

# Sara Mohsen Full-Stack Developer

+201211496144 | saramohsen0901@gmail.com | Portifilo | LinkedIn | GitHub | Alshirqa (Flexible with location)

## Profile

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A highly skilled Full Stack Python Developer with extensive experience in building scalable, engaging, and user-friendly web applications. Competent in both front-end and back-end development, using technologies such as Python (Django, Flask), React.js, Next.js, HTML, CSS, and JavaScript. A collaborative team player with strong knowledge of Agile Methodologies, DevOps, and API development, committed to writing clean, high-quality, and maintainable code.

## Projects

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### E-Commerce Website with React.js, [GitHub](#)

- Developed a responsive e-commerce website using **React.js** for the frontend and **JSON** for mock data.

### E-Commerce Projects, [GitHub](#)

- E-Commerce Platform (JavaScript, HTML, CSS, JSON Server):** Developed a full-featured platform with role-based access for Admins, Customers, and Sellers.
- React.js E-Commerce Website:** Built a fully responsive e-commerce website with interactive frontend elements.

### Front-End Developer, [GitHub](#)

- Tradesphere (Digital Egypt Pioneers Initiative) – E-Commerce Project**
  - Developed responsive UI with React.js, Tailwind CSS/PrimeReact.

### Freelance Web Designer, [GitHub](#)

Designed and built a responsive portfolio website showcasing diverse projects.

### Graduation Project, [GitHub](#)

#### Burn Image Detection & First Aid Mobile App

- Developed a computer vision application using YOLOv8 for burn image classification, achieving over 90% accuracy.
- Designed a user-friendly UI/UX and assisted in integrating React Native components.
- Created an SRS document with user stories and technical diagrams, improving team collaboration.

## Internships

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### Intensive Training Program (ITP)

2024 Nov – present

#### Python Full Stack Web Development Track

Information Technology Institute (ITI), Zagazig ranch

### Digital Egypt Pioneers Initiative - DEPI

2024 Apr – 2024 Oct

Software Development -React Web Developer Track

Ministry of Communications and Information Technology (MCIT)

### Digital Egypt Youth Program

2024 Jul – 2024 Aug

Machine Learning for Data Analysis Track

National Telecommunication Institute (NTI), Banah Branch

#### Projects:

- Mined insights from a real estate dataset of 5000+ properties using Python
- Develop and deploy ML models
- Extract actionable insights across retail, banking, and real
- Created predictive models to optimize pricing and

## Education

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### Bachelor's degree in Computer and Information

2019 – 2023

Medical Informatics Department, Faculty of computer and information, Zagazig University  
Grade: Very Good (with honors)

Shariqia, Egygt

## Professional Experience

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### Technical Instruction, Smart School

2023 Aug – 2024 Feb

•Taught Python, Object-Oriented Programming, and Scratch to children, fostering programming logic and problem-solving skills

10th of Ramadan City,  
Egypt

## Technical Skills

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### Frontend Using React

HTML & CSS  
JQuary  
Bootstrap  
Responsive web Design  
React JS

### Backend using python

Python  
Django  
Flask

## Technologies / Packages:

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Docker, Linux, Nginx, PyTorch, Matplotlib,  
NumPy, SciPy, Pandas, OpenCV,  
FLask, Git.

## Tools

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Visual Studio Code, Figma, Tableau,  
SQL Server Management Studio,  
Microsoft SQL Server, Anaconda, Google Colab.

## Certificates

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React Web Developer - MCIT - DEPI [↗](#) |

Machine Learning for Data Analysis - DEY - NTI [↗](#)