

# Omar Abdelrahman

Data Scientist | Full Stack Developer |  
AI Enthusiast | Web Designer

📍 Alexandria, Egypt

## Profile Summary

I am a highly motivated Data Scientist and Full Stack Developer, specializing in delivering cutting-edge web solutions that drive results. With a strong background in machine learning, AI-driven development, and full-stack web applications using modern technologies like React.js, Node.js, Express.js, and SQL, I focus on extracting insights from data, building predictive models, and developing scalable, user-centric digital experiences.

## Technical Skills

- Programming Languages:

- \*Python, JavaScript (React, Node.js), SQL

- > Web Development:

- Full Stack Development (React.js, Node.js, Express.js, Bootstrap, REST APIs)

- > Data Science:

- Data Analysis, Statistical Modeling, Data Visualization, Predictive Analytics

- > AI & Machine Learning:

- Model Development, AI-driven Solutions, Recommendation Systems

- > Database Management:

- SQL Databases, Data Storage Solutions, Cloud Database Integration

- > Web Design:

- Responsive Web Design, UI/UX Best Practices, Modern Frontend Frameworks

- Soft Skills:

- > Problem Solving

- > Critical Thinking

- > Team Collaboration

- > Effective Communication

- Languages:

- >Arabic (Native)

- >English (Fluent)

## What I Can Do for You

### > Data Science:

Analyze data to extract insights, build predictive models, and apply machine learning techniques to enhance decision-making.

### > Full-Stack Development:

Develop dynamic, responsive web applications using React, Node.js, Express, and SQL to ensure a smooth user experience.

### > AI & Machine Learning:

Build AI-driven solutions, develop machine learning models to make data-driven predictions.

### > Web Design:

Create visually appealing, responsive, and user-friendly websites that focus on functionality and aesthetics.

### > Database Management:

Design, implement, and manage scalable and secure databases to ensure smooth data flow and storage.

## Projects

- DepressoDev – AI-Powered Depression Sensitivity Bot
  - >Tech Stack: Python, AI, Natural Language Processing
  - > Developed an AI-powered bot that helps detect signs of depression through natural language processing. It provides users with tailored resources and coping strategies based on the emotional tone of their inputs.
- SmartSave – AI-Based Investment Recommendation System
  - >Tech Stack: Python, Machine Learning, Financial Modeling
  - >Built an AI-driven recommendation system that provides users with personalized investment strategies based on real-time financial data, user preferences, and market trends.
- MediConnect Platform
  - >Built a mental wellness platform offering telemedicine, hospital locators, patient reviews, and support resources with a dynamic blog page allowing users to post, comment, and interact in a healthcare context.
- Mizan – E-Commerce Platform
  - >Developed a fully integrated e-commerce website using React, Node.js, and MongoDB to provide seamless user experience and backend management.

## Professional Experience

- **Instructor, Data Science**

Ministry of Communications and Information Technology (MCIT), Egypt  
August 2024 – Present

- › Delivered high-quality training on Data Science topics, including data cleaning, statistical modeling, machine learning, and data visualization. Worked with learners ranging from beginners to advanced, helping them understand complex concepts through hands-on practice and real-world applications.

- › Developed course materials and assessments, ensuring the curriculum met industry standards.

- **Instructor, ICPC**

International Collegiate Programming Contest (ICPC)  
October 2023 – Present

- › Mentored students in competitive programming, focusing on problem-solving strategies and algorithmic thinking.

- › Prepared students for ICPC-style competitions by guiding them through problem-solving techniques, coding practices, and time management strategies.

- › Encouraged collaboration among team members to develop effective and optimized solutions during contests.

- **Team Member, Google DataCamp**

Google DataCamp  
January 2025 – Present

- › Contributing to the development of data science learning experiences and content as part of the Google DataCamp team, aiming to enhance the accessibility and quality of data science education.

## Education

- › Faculty of Computers and Data Science | Alexandria University  
Bachelor's Degree in Data Science

- September 2022 – July 2026 (Expected)
- GPA: 3.2

- › Secondary School Diploma – Science & Mathematics Track

- › Gamal Abdel Nasser Secondary Military School, Alexandria


- September 2019 – July 2022

## Extra Activities


- Participant in various Hackathons and Coding Competitions focusing on innovation and problem-solving.
- Continuous self-learning and technology upskilling through online courses, certifications, and personal projects.


## Contact Information (Clickable links)

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