

# Sarah Mahmoud Refaat

## SOFTWARE ENGINEER

 sarah.mahmoudd24@gmail.com

 01099013212

 Maadi-Cairo, Egypt

### PROFESSIONAL EXPERIENCE

11/2024 – Present  
Cairo, Egypt

#### Software Engineer

RATP Mobility Dev

- Developed an AI-powered chatbot using the **Llama 3.1 framework**, focusing on backend implementation with **Node.js** and **Python** for efficient model integration and response optimization.
- Designed and deployed RESTful APIs using **N8N** to automate workflows, connect AI services, and enable seamless communication between applications.

10/2024 – Present  
Cairo, Egypt

#### Part-Time Teaching Assistant

Faculty of Computer and Artificial Intelligence Cairo University

- Delivered comprehensive course content on Machine Learning to undergraduate students, covering supervised and unsupervised learning, model evaluation, and real-world AI applications.

09/2024 – 10/2024

#### Oracle Developer

RAYA International Services

- Generated reports using SQL and Business Intelligence tools.
- Integrated disparate applications to streamline workflows

05/2024 – 06/2024  
Cairo, Egypt

#### Game Development Instructor

Ischool

- Instructed students in game design and development utilizing mBlock (Scratch-based).

### EDUCATION

2020 – 2024  
Cairo, Egypt

#### Bachelor of Computer Science

Cairo University

#### GPA: 3.76 (Top 3 in Batch)

Relevant Courses: AI, Databases, OS, Machine Learning, Statistics, Algorithms, Software Engineering

### SKILLS

#### TECHNICAL SKILLS

- Languages: C++, Java, Python, Dart, R, SQL, HTML/CSS
- Frameworks/Tools: Spring Boot, Node.js, Django, Postman, Flutter Flow, Next Js
- Data Science: Data Preprocessing, Machine Learning, Geospatial Analysis
- Other: Git, Object-Oriented Programming (OOP), BI Tools, Docker

### LANGUAGES

**English**  
Fluent

**Arabic**  
Native/Bilingual

**French**  
Conversational

## TRAINING & PROJECTS

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### Data Science Training

08/2023 – 09/2023

Banque Misr

- Developed a route optimization algorithm using real-time traffic data, reducing fuel consumption by 25% and delivery time by 0%.

### Backend Training

08/2022 – 09/2022

Banque Misr

- Built a movie app backend; implemented caching (50% faster response) using Spring Boot, SQL, and Git.

### Problem Solving Competition

2022

ICPC Contestant

- Solved 2 competition problems using C++.

### Backend Hackathon

2022

Orange

Engineered a course app backend with Spring Boot, MySQL, and

Postman

### Academic Vice President

01/202 – 07/202

TREE

- Led mobile dev/UI-UX teams to deliver innovative apps.