

# Sarah Mahmoud Refaat

SOFTWARE ENGINEER

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📍 Maadi-Cairo, Egypt

## PROFESSIONAL EXPERIENCE

11/2024 – Present Cairo, Egypt	<b>Software Engineer</b> <i>RATP Mobility Dev</i> <ul style="list-style-type: none"><li>• <b>Developed an AI-powered chatbot</b> using the <b>Llama 3.1 framework</b>, focusing on backend implementation with <b>Node.js</b> and <b>Python</b> for efficient model integration and response optimization.</li><li>• <b>Designed and deployed RESTful APIs</b> using <b>N8N</b> to automate workflows, connect AI services, and enable seamless communication between applications.</li></ul>
10/2024 – Present Cairo, Egypt	<b>Part-Time Teaching Assistant</b> <i>Faculty of Computer and Artificial Intelligence Cairo University</i> <ul style="list-style-type: none"><li>• Delivered comprehensive course content on Machine Learning to undergraduate students, covering supervised and unsupervised learning, model evaluation, and real-world AI applications.</li></ul>
09/2024 – 10/2024	<b>Oracle Developer</b> <i>RAYA International Services</i> <ul style="list-style-type: none"><li>• Generated reports using SQL and Business Intelligence tools.</li><li>• Integrated disparate applications to streamline workflows</li></ul>
05/2024 – 06/2024 Cairo, Egypt	<b>Game Development Instructor</b> <i>Ischool</i> <ul style="list-style-type: none"><li>• Instructed students in game design and development utilizing mBlock (Scratch-based).</li></ul>

## EDUCATION

2020 – 2024 Cairo, Egypt	<b>Bachelor of Computer Science</b> <i>Cairo University</i> <b>GPA: 3.76 (Top 3 in Batch)</b> Relevant Courses: AI, Databases, OS, Machine Learning, Statistics, Algorithms, Software Engineering
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## 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 Hackathon

2022

Orange

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

### Backend Training

08/2022 – 09/2022

Banque Misr

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

### Academic Vice President

01/202 – 07/202

TREE

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

### Problem Solving Competition

2022

ICPC Contestant

- Solved 2 competition problems using C++.