

# Salma Maher Alrabei

Mobile: (+20) 1551017569 Email: [salmaalrabei7@gmail.com](mailto:salmaalrabei7@gmail.com)

LinkedIn: <https://www.linkedin.com/in/salma-alrabei-182876173/>

Nationality: Egyptian

Marital Status: Single

Location: Cairo, Egypt

## Profile:

Artificial Intelligence graduate with a strong academic foundation and extensive hands-on experience. Driven by a passion for leveraging AI to solve complex problems and foster innovation, I am actively seeking opportunities in the fields of data science and machine learning.

## Education:

	<b>BSc in Artificial Intelligence and Data Science - Joint Degree Program (Universidad Autónoma de Barcelona &amp; Arab Academy of Science and Technology)</b>
	Majoring in Data Science
September 2020	GPA: 3.33
To	Graduation project: “AI-Facilitated App for Egypt’s Governmental Services via Generative AI”
February 2024	System that helps in the task of identifying Egyptian national identification cards, extracting all the related info and verifying whether it’s real or fake using Generative AI
	Grade: Excellent
	Rewards: Best graduation project for 2023/2024 from the Computer Scientific Society

## Experience:

	<b>AI Multi-Agent System &amp; Chatbot Developer at Mafi ( Owned by Abou Hashima )</b>
September 2024	<ul style="list-style-type: none"><li>Developed an <b>AI Multi-Agent System</b> to simulate real-world company operations, optimizing task delegation and workflow automation.</li><li>Designed virtual agents for efficient team collaboration and a <b>virtual team lead</b> for reviewing and submitting work.</li><li>Built a <b>custom chatbot</b> to enhance and automate inquiries using <b>NLP and Machine Learning</b>.</li><li>Streamlined system workflows, improving efficiency and automation across the company's digital infrastructure.</li></ul>
to	
March 2025	
	<b>Machine Learning Engineer at Technocolabs Softwares</b>
September 2023	<ul style="list-style-type: none"><li>Performed <b>data mining</b>, and <b>data manipulation</b> for extracting and processing large datasets.</li><li>Conducted <b>data classification</b> and <b>analysis</b> to derive insights and patterns.</li><li>Developed and deployed <b>machine learning models</b> for predictive analytics.</li><li>Created <b>data visualizations</b> to communicate findings effectively.</li></ul>
to	
November 2023	

## Interpersonal skills and Languages:

---

- Strong research and analytic abilities.
- Work effectively as a team member or independently.
- Time Management.
- Arabic: Native
- English: Fluent
- Turkish: Expert

## Tools and Technologies:

---

- |  |  |
|--|--|
| <b>Programming Languages:</b> <ul style="list-style-type: none"><li>• Python language</li><li>• C language</li></ul> <b>Data Analysis and Visualization Tools:</b> <ul style="list-style-type: none"><li>• Pandas</li><li>• NumPy</li><li>• Matplotlib</li><li>• Seaborn</li><li>• Plotly</li><li>• Tableau</li><li>• Power BI</li></ul> <b>Machine Learning Libraries:</b> <ul style="list-style-type: none"><li>• Scikit-learn</li><li>• TensorFlow</li><li>• Keras</li><li>• PyTorch</li><li>• K-Means</li><li>• Hierarchical Clustering</li><li>• DBSCAN</li><li>• OPTICS</li><li>• Principal Component Analysis (PCA)</li></ul> | <b>Computer Vision:</b> <ul style="list-style-type: none"><li>• OpenCV</li><li>• TensorFlow Object Detection API</li><li>• YOLO</li></ul> <b>Database Management Systems:</b> <ul style="list-style-type: none"><li>• MySQL</li><li>• MongoDB</li><li>• Neo4j</li></ul> <b>Statistical Analysis:</b> <ul style="list-style-type: none"><li>• Statistical tests</li><li>• Regression analysis</li><li>• Time series analysis</li></ul> <b>Data Preprocessing:</b> <ul style="list-style-type: none"><li>• Feature engineering</li><li>• Data cleaning</li></ul> <b>Cloud Platforms:</b> <ul style="list-style-type: none"><li>• AWS (Amazon Web Services)</li></ul> <b>Natural Language Processing (NLP):</b> <ul style="list-style-type: none"><li>• NLTK (Natural Language Toolkit)</li><li>• spaCy</li></ul> |
|--|--|

## Publications, Certificates and Trainings:

---

- **Published Scientific Research “AI-Oriented Mobile App for Governmental Services Digitization via Generative AI”**  
First International Conference for Universities and Artificial Intelligence Technology  
Amman, Jordan | June, 2024
- **Second place winner at Aast Rally -Technology track**  
Alamien, Egypt | July, 2022
- **Certified Amazon web services training workshop**  
Alexandria, Egypt | July, 2022
- **Certified training on NAO robot from Robotlab**  
Alamien, Egypt | June, 2022
- **Certified RoboCup At Home training**  
Alexandria, Egypt | April, 2022

## Volunteering:

---

- **Represented Egypt in the 3rd Egyptian Russian Youth Forum with the Ministry of Youth and Sports**  
Maakhatchkala and Moscow, Russia | September, 2022
- **Official Designer at International Collegiate Programming Contest**  
Egypt | September, 2020 - 2024