

# Salma Ibrahim Zaher *AI Engineer*

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📍 Mansoura (open to relocate)

🌐 github.com/salma-zaher

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## Profile

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I am an AI Engineer with a strong focus on Deep Learning and Natural Language Processing (NLP). I am experienced in building, training, and deploying intelligent models that learn from data and understand human language. Proficient with frameworks such as TensorFlow, and PyTorch, I combine technical expertise with a passion for innovation in AI. I am dedicated to continuous learning, applying the latest research and best practices to deliver effective and scalable AI solutions

## Education

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| 10/2024 – 06/2025 | <b>9-Month Diploma (ITI) Information Technology Institute ,(MCIT) Ministry Of Communications And Information Technology , Artificial Intelligence and Machine Learning Track ,Mansoura Branch</b> |
| 10/2020 – 07/2024 | <b>Bachelor's degree Computer science (very good), Mansoura university</b>  |

## Internships

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| 07/2023 | <b>Artificial Intelligence Internship National Telecommunication Institute (NTI) &amp; ITIDA, National Telecommunication Institute (NTI) &amp; ITIDA</b> |
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## Technical Skills

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| <ul style="list-style-type: none"><li>• <b>Programming</b><br/>Python, C++, OOP</li><li>• <b>Computer Vision</b><br/>OpenCV, Image Processing, Object Detection</li><li>• <b>Libraries</b><br/>scikit-learn, TensorFlow, Keras, PyTorch (basic), Hugging Face (exploring), OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Selenium</li><li>• <b>problem solving</b><br/>Advanced level — skilled in analyzing challenges and developing AI-driven solutions.</li></ul> | <ul style="list-style-type: none"><li>• <b>Machine Learning &amp; Deep Learning</b><br/>Regression, Classification, Clustering, CNNs, RNNs, LSTMs, Transformers (basic), Model Evaluation</li><li>• <b>Data Analysis</b><br/>Data Wrangling, Feature Engineering, Exploratory Data Analysis</li><li>• <b>Tools &amp; Frameworks</b><br/>Jupyter, Visual Studio Code, Git, GitHub, Power BI, Streamlit, MongoDB, SQL, Tableau, Excel</li></ul> |
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## Projects

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**Twitter Hate Speech Detection:**, - *Applied NLP techniques and machine learning to detect hate speech in tweets.*

**Document Clustering with NLP,** - *Used vectorization and clustering to analyze and group text documents.*

**Deep Learning Projects:**, - *Developed models using CNNs, RNNs, and LSTMs for sequence data.*

**Machine Learning Projects:**, - *Built ML models using scikit-learn & TensorFlow for classification, regression, and clustering with full pipelines, evaluation, and deployment.*

## **Personal skills**

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**Communication**

**Time Management**

**Organization**

**Presentation**

**Team Collaboration**

**Leadership**

**Critical Thinking**

**Adaptability**

**Attention to Detail**

## **Languages**

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- Arabic:(Native)
- English: (C1)