

AHMED MOSALAM

Cairo, Egypt

Phone: 01099719494 — Email: ahmedmosalam46@gmail.com

LinkedIn: linkedin.com/in/mosalam2 — GitHub: github.com/ahmedmosalam2

Summary

Senior Data Science student at the Faculty of Artificial Intelligence, Minufiya University, with hands-on experience in Deep Learning, NLP, LLMs, and Generative AI.

Education

Menofia University <i>B.Sc. in Data Science / Artificial Intelligence</i>	Sep 2022 – May 2026 <i>ShebenEl-kom, Menofia</i>
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Experience

NTI Summer Training <i>Software Engineer Intern</i>	Jul 2025 – Aug 2025 <i>NTI, Cairo</i>
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- Worked with HDFS, MapReduce, YARN, Hive, HBase, Kafka, Flume, Spark, Flink, and Zookeeper for Big Data analysis.

NTI AI Training Program <i>Artificial Intelligence Trainee</i>	Jul 2023 – Aug 2023 <i>NTI, Cairo</i>
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- Hands-on training in Machine Learning, Deep Learning, and practical AI pipelines.
- Implemented Logistic Regression, Decision Trees, CNNs, RNNs using Python, Scikit-learn, and TensorFlow.
- Worked on image classification, text analysis, and model evaluation.

ITI IoT Training Program <i>IoT Trainee</i>	Jan 2024 – Feb 2024 <i>ITI, Cairo</i>
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- Built IoT prototypes using ESP32, MicroPython, MQTT, and cloud platforms like ThingSpeak.

Elevvo Pathways Training <i>NLP Intern</i>	Aug 2025 – Sep 2025 <i>Remote</i>
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- Projects: Sentiment Analysis on Product Reviews, News Category Classification, Question Answering with Transformers, Resume Screening using NLP.
- Performed data preprocessing, feature engineering, model training, and evaluation using Python, Scikit-learn, Hugging Face Transformers.

Tips Hindawi LLM Training Program <i>LLM Intern</i>	Oct 2025 – Nov 2025 <i>Remote</i>
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- Hands-on training on Large Language Models with practical project experience.
- Gained mentorship from industry professionals and learned real-world LLM pipelines.

Huawei AI Training Program <i>AI Intern / Trainee</i>	Date <i>Remote / Huawei, Cairo</i>
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- Completed hands-on AI training focusing on Machine Learning, Deep Learning, NLP, and Computer Vision.
- Worked with Python, TensorFlow, Keras, and Hugging Face Transformers on real AI applications.

Projects

Fake News Detection Web App — Python, Scikit-learn, Streamlit, TF-IDF, SVM — GitHub **May 2024**

- Built ML model to classify news as real or fake using TF-IDF and SVM.
- Developed interactive web app with live prediction and topic classification using Streamlit.

Study with PDF (AI Assistant) — Python, Streamlit, PyMuPDF, LangChain, Transformers — GitHub **Jul 2025**

- Developed PDF assistant for summarization, translation, and Q&A with context memory.
- Implemented chatbot interface using LangChain and Hugging Face Transformers.

Car Detection and Classification — Python, OpenCV, TensorFlow, CNN — GitHub **Mar 2024**

- Built computer vision model to detect and classify cars using CNN and OpenCV.

Smart Traffic Signal Recognition — Python, OpenCV, CNN, Real-time Inference — GitHub **Feb 2024**

- Developed real-time traffic signal recognition system using CNN and OpenCV.

NLP Projects at Elevvo Pathways — Python, Scikit-learn, Hugging Face Transformers — GitHub **Aug 2025 – Sep**

- Sentiment Analysis on Product Reviews using NLP pipelines and ML models.
- News Category Classification using TF-IDF and Transformers.
- Question Answering with Transformer for text corpora.
- Resume Screening system using text processing and ML classification.

Technical Skills

- AI Programming, Agents Building, Computer Vision (CV), Data Analysis, Machine Learning (ML), Deep Learning (DL), Natural Language Processing (NLP)