Ziyad Ahmed Alawami

AI Engineer

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Education

Bachelor of Science (BSc.) in Informatics and Computer Science   September 2020 – July 2024

The British University in Egypt (BUE) – Cairo, Egypt

- Major: Artificial Intelligence

Experience

Software Developer   February 2026 – Present

Saudi American Group

AI Engineer   December 2025 – Present

Wider Community

- Building AQWUM, a life management application designed for Muslims

Part-time AI instructor   July 2025 – Present

National Telecommunication Institute (NTI) – Egypt (Hybrid)

- Taught 3 groups of university students on traditional machine learning algorithms and an introduction to neural networks

AI Internship   February – May 2025

National Telecommunication Institute (NTI) – Smart Village, Egypt

- Developed essential soft skills required for the industry over 1 month
- Gained overview from industry experts of core AI fields (Data Science, Computer Vision, NLP, Data Analysis, and Data Engineering) during 2 months

Skills

- **Languages:** Python, C++, SQL, NoSQL (MongoDB, Redis), Java
- **AI & Tools:** PyTorch, TensorFlow, Keras, scikit-learn, HuggingFace Transformers, Pandas, NumPy, Matplotlib, Seaborn, OpenCV, spaCy, NLTK, n8n, Git, Docker, OpenRouter API, AWS
- **Soft Skills:** Problem Solving, Communication, Teamwork

Projects

Sentiment Analysis   September 2025

- Compared rule-based (TextBlob, VADER) vs. transformer-based sentiment analysis using Hugging Face
- Achieved highest accuracy with transformer approach on Twitter sentiment dataset

One-Sight   May 2025

- Architected multimodal AI platform for Arabic sentiment analysis across videos, images, and text
- Engineered Arabic content extraction using OCR, image captioning, speech recognition, and translation pipelines
- Developed dual-architecture system: hybrid ML-LLM classification and LLM-only end-to-end analysis

Sarcasm Detection in Text   May 2024

- Fine-tuned RoBERTa for sarcasm detection, achieving 94% accuracy through text preprocessing and hyperparameter optimization

Quotes Searching   March 2024

- Engineered quote search system using word embeddings (CBOW, Skip-gram, GloVe), achieving highest accuracy with CBOW via Keras and Gensim.

Certificates

- AI Engineer, 365 Data Science (Credit)   November 2025

Courses

- Natural Language Processing in Python, Maven Analytics (Credit)   October 2025
- Cloud Basics for Data Professionals, Maven Analytics (Credit)   October 2025
- AWS Machine Learning Foundations, AWS Academy (Credit)   April 2025
- Data Science in Python: Data Prep & EDA, Maven Analytics (Credit)   April 2025