Yusuf Shihata

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ARTIFICIAL INTELLIGENCE ENGINEER

Highly driven AI and Computer Science undergraduate with deep experience in implementing cutting-edge models including Transformers, GANs, and multimodal architectures. Skilled in both theoretical foundations (math, statistics, optimization) and practical systems (CUDA, Django, PostgreSQL, LangChain). Building full-stack AI-powered applications. Passionate about research, system design, and solving real-world problems with a long-term goal of innovating in AI.

KEY COMPETENCIES

Problem Solving	PyTorch	Fast Learner
Python	PostgreSQL	Software Engineering
Django	Deep Learning	

PROJECTS

IMDB movies review Sentiment Analyzer   Feb 2025 - Feb 2025

Implemented an Encoder Transformer from scratch in PyTorch and trained it on the IMDB movie review database achieving an accuracy of **82%** after only **5 epochs,** after reading and understanding the paper **Attention is all you need.**

ViT   Feb 2025 - Feb 2025

Implemented an Vision Transformer from scratch in PyTorch after reading and understanding the paper **An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale.**

Diffusion GAN   Mar 2025 - Mar 2025

implemented a Diffusion GAN from scratch in PyTorch after reading and understanding the paper **Diffusion-GAN: Training GANs with Diffusion,** and trained it to generate hand-written digits by using the **MNIST** dataset.

Men.ai   Apr 2025 - Now

Build a **SaaS** that help self-though software engineers to organize their learning process to reduce the cognitive loud on them and making them focus entirely on learning and implementing.

EDUCATION & CERTIFICATIONS

Bachelor of Science
Majors: Artificial Intelligence
Kafr Ash Shaykh University
GPA: 3.7

EXTRACURRICULAR ACTIVITIES

Digital Egyptian Cubs
Udacity

Member at ICT Academy Egypt
Huawei