

Mohamed Boghdaddy

Full Stack AI Engineer — Prompt Engineer

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Portfolio — LinkedIn — GitHub

Skills

- Prompt Engineering: Expert in crafting, evaluating, and chaining prompts for LLMs (Phi-2, Gemini, GPT, BERT)
- AI ML: NLP, time-series forecasting (XGBoost, LSTM, ARIMA), ViViT, VideoMamba, YOLOv8, PSO, ABC, optimization
- Full Stack: MERN/MEAN stacks, Next.js, Firebase, REST APIs, microservices, JWT/Firebase Auth
- Programming: Python (TensorFlow, PyTorch), JS/TS (React, Node.js, Angular), C, Flutter, Dart, SQL, NoSQL
- Tools: Git, Docker, Agile, PM4Py, MongoDB, PostgreSQL, LangChain, Vite, Ubuntu/Linux

Work Experience

Prompt Engineer (Freelance)

Jul 2024 – Present

- Designed multi-turn prompts using Phi-2 and Gemini for financial and lost/found systems
- Enhanced model contextual memory using few-shot learning and prompt chaining

ATOS — Full Stack MERN Intern

Jul 2024 – Oct 2024

- Built scalable DMS with MERN/PERN stack, optimized APIs and frontend React components

Relief and Emergency Foundation — Microservices Intern

May 2024 – Aug 2024

- Developed microservices for WordPress and MERN sites

Code Alpha — Machine Learning Intern

Feb 2024 – May 2024

- Built ML models: recommender, stock predictor, survival classifier

Prodigy Info Tech — Web Dev Intern

Jan 2024 – Feb 2024

- Developed responsive landing pages and stopwatch app

Projects

Financial AI Advisor

Phi-2 powered investment advisor with Gemini integration for prompt-based financial advice

HKIApply Career Platform

Full-stack MERN platform with resume parsing, GPT interview assistance, Razorpay integration

Medical Video Classification (ViViT vs. VideoMamba)

Compared deep models on ASD/PAH classification using occlusion handling, Kinetics-400

HEDJ — Design Management Platform

Fullstack product design platform using React and Express

Loan Approval AI Model

Contributed to loan approval prediction algorithm and research paper

Courses (Coursera)

- Agile & Scrum Project Management: A Real-World Approach
- Reinforcement Learning: Beginner to Master – AI in Python
- Hyperparameter Optimization for Machine Learning
- Microservices with Node.js and React
- AI and Meta-Heuristics (Combinatorial Optimization) – Python
- Next.js 15 & React – The Complete Guide
- NodeJS Projects Bootcamp 2025: Learn by Doing
- Python for Finance: Investment Fundamentals & Data Analytics

Education

Bachelor of Science in Computer Science — Misr International University (MIU)
Specialization: Artificial Intelligence

Languages

English (Fluent) — Arabic (Native) — Spanish (B1)

Interests

IT Member at ACPC MIU, Competitive Programming, Cooking, Boxing, Rugby