

Mohamed Yosef

Mansoura, Egypt (can relocate)

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SUMMARY

A passionate Data Scientist and AI Researcher with expertise in Deep Reinforcement Learning (Deep RL), multi-agent systems, and time-series analysis. I transitioned from UX design to data science, combining creativity with technical expertise. I led the AQSA project at Mansoura University, where I focused on supporting small businesses with advanced data analysis, forecasting, and AI-driven tools. I aim to leverage my skills to empower businesses, bridge the gap between academia and industry, and drive innovation.

EXPERIENCE

Data & AI Lead

AQSA Project – Mansoura University, Egypt

Advisor: Mohamed Ibrahim

2023 – Present

- Led the AQSA project, designed to bridge the gap between research and real-world applications, by developing three components:
 - A generative chatbot that answers queries related to the startup ecosystem and project management principles.
 - An automated data analysis system that processes raw data to provide actionable insights, enabling better business decisions for startups.
 - A forecasting module that predicts sales or interest rates by combining historical data, market trends, and external factors such as currency exchange rates and oil prices.

Product Designer

Media Community DPR – Remote, Saudi Arabia

Nov 2021 – May 2022

- Collaborated with UX designers to create the company's new site, from concept to high-fidelity prototypes, achieving 95% stakeholder satisfaction.

- Developed an online training system for public relations (PR), reducing learning breakdowns and attracting 200+ trainees to PR internships in the first month.
- Conducted research in multiple domains, including translation, feeding, law, and public relations, to support the development of the platform.

CERTIFICATIONS

- **Google Cloud Skills Boost:** [Introduction to Generative AI](#) (Dec 2023)
- **Google:** [Regression Analysis: Simplify Complex Data Relationships](#) (Dec 2023)
- **Google:** [The Power of Statistics](#) (Oct 2023)
- **Kaggle:** [Feature Engineering](#) (Sep 2023)
- **IBM:** [Data Analysis with Python](#) (Aug 2023)
- **Kaggle:** [Data Visualization](#) (Jul 2023)
- **Google:** [Process Data from Dirty to Clean](#) (Jul 2023)
- **IBM:** [Python for Data Science and AI](#) (May 2023)

SKILLS

Data Science: Data Analysis, Feature Engineering, Deep Reinforcement Learning, Time Series Analysis, Statistical Learning, Natural Language Processing, Computer Vision

Programming Languages: Python, R, SQL, C++

Tools & Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch

PUBLICATIONS & RESEARCH

- [AQSA: AI for Startups](#), April 2024
- [The Foundations of Machine Learning and Deep Learning](#), April 2024
- [Reinforcement Learning: All the Basics](#), January 2024
- [Global Energy Consumption from 1983 to 2022](#), October 2023
- [Unemployment Rate and Economic Growth after COVID-19](#), September 2023

EDUCATION

B.Sc. in Statistics and Computer Science

Faculty of Science, Mansoura University

Graduation: 2024