

Michael Samy Mikhael

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Ain Shams, Cairo, Egypt

OBJECTIVE

Motivated Data Science student with a strong foundation in statistical analysis, machine learning, and data visualization. Seeking opportunities to apply data-driven approaches to solve real-world business problems, transform raw data into actionable insights, and support informed decision-making.

EDUCATION

Menoufia University

Faculty of Electronic Engineering, Bachelor's Degree in Computer Engineering

– GPA: 3.68 / 4.00

Oct 2022 – Expected Jul 2027

Menoufia, Egypt

CERTIFICATIONS

Getting Started with Deep Learning

NVIDIA Training

- Demonstrated competence in fundamental deep learning concepts and implementations.
- Certification ID: 3nzzXV5USW-8yCx47penVQ

Aug 2025

Artificial Intelligence & Machine Learning Program (72 Hours)

Information Technology Institute (ITI)

- Completed an intensive program covering AI, Machine Learning, and Data Science fundamentals.
- Built a strong foundation in Probability, Linear Algebra, and Numerical Optimization.
- Gained hands-on experience in Python for data analysis and manipulation.
- Applied end-to-end data workflows including data preparation, modeling, and evaluation.
- Studied Neural Networks and Deep Learning concepts and implementations.

Aug 2025 – Sep 2025

Digital Egypt Pioneers Program (DEPI) – Round 4

AI & Data Science Track (Microsoft Machine Learning Engineer)

Ongoing
Egypt

PROJECTS

- **Medical RAG System:** Retrieval-Augmented Generation for medical queries using LLMs and vector databases.
- **Sentiment Analysis:** NLP models to classify text sentiment with advanced preprocessing.
- **Neural Networks:** Designed architectures (MLP, RNN, LSTM, GRU) for sequence modeling.
- **Merge Generative Model:** Hybrid generative approaches for data synthesis.

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, C++
- **Data Analysis & Manipulation:** Pandas, NumPy
- **Data Visualization:** Matplotlib, Seaborn
- **Machine Learning:** Supervised & Unsupervised Learning, Scikit-learn
- **Statistical Analysis:** Hypothesis Testing, Regression Analysis, Probability Distributions

SOFT SKILLS

- Analytical Thinking & Problem Solving
- Data-Driven Decision Making
- Critical Thinking
- Technical Communication & Presentation
- Adaptability & Continuous Learning

ADDITIONAL INFORMATION

Languages: Arabic (Native), English (Professional Proficiency)

Nationality: Egyptian