MOHAMED SALAMA

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[Linkedin](#)   [GitHub](#)   [Kaggle](#)

PROFILE

AI Engineer with a strong foundation in machine learning, deep learning, and generative AI. Trained at the Information Technology Institute (ITI) with hands-on experience in building scalable AI and Agentic AI systems. Passionate about problem-solving, data science, LLMs, and autonomous agents, and eager to contribute to innovative, impactful projects in a forward-thinking team.

EDUCATION

- ***9-Month Diploma (ITI) Information Technology Institute, (MCIT) Ministry Of Communications And Information Technology, Artificial Intelligence and Machine learning track, Mansoura Branch.*** **Oct.2024 –Jul. 2025**

- **B.Sc. in Artificial Intelligence**   **Sep. 2020 – Jul. 2024**
  - Kafr-El-Sheikh University
  - GPA: 3.65

WORK EXPERIENCE

- **LLM Developer at G2I (Sep 2024 – Mar 2025) | Remotely**
  - Supported the training and improvement of AI models by refining responses, rewriting Python code, and optimizing prompt structure.
  - Evaluated large language model (LLM) outputs for accuracy, clarity, and relevance across diverse use cases and edge cases.

INTERNSHIPS & SCHOLARSHIPS

- **Computer Vision Intern - ITI scholarship (July 2023 – August 2023)**
  - Learning the basics of computer vision.
  - Learn the core of computer vision.
  - Learn how to make advanced projects from A to Z using computer vision.
  - Learn how I can use computer vision in real life.
- **AI&ML intern at Mentorness (January 2024 – March 2024) [certificate](#)**
  - Blood disease prediction (**[Repo](#)**)
  - Stock market forecasting (**[Repo](#)**)

PUPLICATION & RESEARCH

- **Human Gait Recognition for Security Systems'' - International Technology and Artificial Intelligence Forum (ITAF), Canadian International College (Oct 2024)   [Paper-link](#)**
  - Developed a novel security system utilizing computer vision and AI to analyze human gait patterns for non-intrusive identification.
  - Collaborated with a team of 7 researchers to achieve high accuracy rates in human identification through walking pattern analysis.

PROJECTS

- **Intelligent Security System**
  - *Role: Team Leader*
  - Designed and implemented an AI-powered security system Integrated into a cohesive desktop application:
    - Gait recognition (**[Repo](#)**)
    - Aggressive behavior detection (**[Repo](#)**)
    - Car license plate recognition
    - Face recognition in crowded environments (**[Repo](#)**)
    - Fall detection

- **YouTube Video Summarize ([Repo](#))**
  - Technology: **Agentic AI** using LangGraph | Langchain | LLM API | Prompt Engineering | Speech to text

- **Clean Code Rewriter ([Repo](#))**
  - Technology: **Agentic AI** using CrewAI | langchain | LLM API | Prompt Engineering | Streamlit

- **Smart Recruiter Assistant ([Repo](#))**
  - Technology: **RAG** using LangChain. | LLM API | Prompt Engineering | Streamlit

- **POS Tagging with Arabic Dataset ([Repo](#))**
  - Technology: Hugging Face | Transformers | Arabic Bert models | Fine-tuning | NLP.

- **Credit Score Classification ([Repo](#))**
  - Technology: Machine Learning models | Data preprocessing techniques | Ensemble method

- **Multi-Class Prediction of Obesity Risk Team project ([Repo](#))**
  - Technology: Machine Learning models | Data preprocessing techniques | Tableau.

- **Hate Speech Classification ([Repo](#))**
  - Technology: NLP preprocessing (cleaning, tokenization, embedding, etc...) | Sequential models (RNN, GRU, and LSTM).

- **Document clustering based on Wikipedia ([Repo](#))**
  - Technology: NLP preprocessing | Dimensionality reduction | Clustering techniques.

- **Whether Image Recognition Team project ([Repo](#))**
  - Technology: Vision Transformers using Hugging Face | Prertained models | CNN architecture.

TECHNICAL SKILLS

- **Programming:** Python, C, C++, Data Structure and Algorithmic, Object Oriented Programming (OOP).
- **Database:** SQL, NoSQL.
- **Mathematics & Foundations for AI:** Linear Algebra, Probability and Statistics, Numerical Optimization.
- **Data Analysis & Visualization:** Data Visualization, Power BI, Dash.
- **Machine Learning & AI:** Data preparation, Time Series Analysis and Forecasting, Machine Learning, Deep Learning, Reinforcement Learning, Natural Language Processing, Computer Vision.
- **Deployment and Big Data:** MLOps, Cloud Infrastructure for Big Data, Big Data Processing, Spark & PySpark.
- **Development Tools & Environment:** Git & GitHub, Linux, Agile Methodology, Docker.
- **Gen-AI:** LLMs, Prompt Engineering, RAG, Agentic AI, CrewAI, LangGraph, LangChain,n8n,AutoGen,Open AI SDK, Model Context Protocol(MCP).

COURSES

- The complete Agentic AI course (2025) by Ed Donne **[Certificate](#)**
- Machine Learning Nanodegree by dr.Tamer eid **[Certificate](#)**

SOFT SKILLS

- Leadership
- Adaptability
- Communication
- Presentation

LANGUAGES SKILLS

- English: Proficient
- Arabic: Native

PERSONAL INFO

- Military Status: Exempted
- Ready to relocate.