Mohamed Mansour Sayed

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Professional Summary

AI Engineer and **Data Scientist** specializing in machine learning, AI agents and AI automation. Experienced in designing and deploying AI-driven systems that integrate with real-world tools using n8n, APIs, and vector databases. Skilled in agentic architectures for intelligent task delegation, process automation, and workflow optimization. Passionate about scalable solutions bridging AI with business and industrial applications.

Education

Bachelor of Electronics and Communication Engineering
South Valley University | Expected 2026

Courses & Internships

Automation Engineer (Internship) | Phoenix - Egypt (on-site)   1/08/2025 – 1/10/2025

Designed n8n workflow automation for social media. Automated posting from Google Sheets with image & caption generation.
Skills: Python - n8n - Docker - OpenAI - APIs

GEN AI Summer Training | NVIDIA / ITI Egypt (remote)   25/08/2025 - 10/9/2025

Building LLM apps with prompt engineering, RAG and Langchain.
--NVIDIA DLI Certificate link--

Artificial Intelligence Training | NTI / HUAWEI (on-site)   8/12/2024 - 18/2/2025

Python, OOP, Math/Stats for AI, ML & DL basics.
NTI Certificate link

Machine Learning Training | NTI (online)   10/6/2025 - 29/8/2025

- Implemented ML algorithms from scratch
- Predictive models with Scikit-learn
- Feature engineering, outliers, PCA

--NTI Certificate link--

AI & Data Science (Internship) | DEPI (remote)   06/2025 - 12/2025

Data analysis & visualization with Python. Supervised learning, MLOps tools, MLflow, Hugging Face.

CCNA v7 Training | NTI (on-site)   5/7/2024 - 29/8/2024

TCP/IP, subnetting, routing/switching, VLANs, ACLs, Cisco Packet Tracer.
NTI Certificate link

Projects

Data Science Survey Analysis
GitHub: github.com/Mans404/Kaggle-2021-Data-Science-Survey-Competition

- Analyzed survey data from 25k+ professionals
- Created trend & salary visualizations

AI Agent with n8n

- Designed AI-powered automation workflows
- Integrated external APIs for event-driven agents

Technical Skills

Data Analysis

- Python (Pandas, NumPy, Matplotlib, SkLearn)
- Data visualization
- Statistical analysis
- Machine Learning

Industrial Automation

- PLC programming
- Process control

Networking

- Network configuration
- Cisco routing/switching

Software Development

- Python, C/C++
- SQL (MySQL)

Web Development

- Django
- HTML/CSS

Agentic AI & Automation

- n8n workflows
- AI-driven agents
- API automation

Certificates

- **AI and Data Science** - DEPI
- **AI** - Huawei NTI
- **Machine Learning** - NTI
- **GENERATIVE AI** - NVIDIA / ITI Egypt
- **AI Automation** - ITIDA
- **CCNA v7** - NTI