Mohamed Mansour Sayed

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Summary:

AI Engineer and **Data Scientist** with experience delivering end-to-end AI solutions including ATS automation systems and AI agents — achieving up to 60% reduction in manual effort. Skilled in ML, deep learning, and vector search technologies to develop data-driven systems that improve.

Education:

Bachelor of Electronics and Communication Engineering, Faculty of Engineering, SVU University.
Grade: Very Good.   **(2021 – 2026)**

Experience:

- **AI & Data Science (Internship) | DEPI (remote).**   **Jun 2025 – Dec 2025**

  Data analysis & visualization with Python, Web scraping, SQL, Machine learning, MLOps, MLflow and Hugging Face.

- **Automation Engineer (Internship) | ITIDA / Phoenix (on-site).**   **Aug 2025 – Oct 2025**

  Developed automation workflows with n8n reducing manual content publishing time by 40% and increasing posting consistency to 30+ posts/month.

- **Agentic AI Engineering course | Karim Nabil (Live).**   **Sept 2025 – Nov 2025**

  Built Python-based AI agents with advanced tool calling, external API integration, and RAG pipelines using vector databases for real-time knowledge retrieval.

Projects:

ATS using RAG Technology

Built an AI-powered CV screening system using Python, RAG, FAISS vector database, embeddings, and metadata-aware semantic search, reducing manual review time by 60%.

Survey — Arab Community Insights.

Analyzed **23K+ survey responses** to extract insights about the Arab DS community, improving dashboard usability for non-technical users.

AI Automation with n8n.

Automated lead follow-ups and data syncing operations, saving 10+ hours of manual work per week and minimizing human errors.

Brain Cancer Multi-Classification using CNN.

Built a multi-class classification model using TensorFlow and OpenCV with 95% accuracy on MRI brain tumor datasets.

Certificates:

AI and Data Science – DEPI.	Artificial Intelligence - Huawei / NTI.
Machine Learning – NTI.	Building LLM Applications - NVIDIA.
AI Automation – ITIDA.	CCNA v7 - NTI.
Agentic AI – Karim Nabil.	Deep Learning for CV – NTI.

Skills & languages:

Languages:
   - Arabic (Native language).   - English B1.

Skills:

- **AI and Machine Learning**: TensorFlow | Sikit-Learn | XGBoost | RAG | Vector Databases (FAISS) | CrewAI | NLP | Computer Vision | OpenCV | Metadata | Tool Call. | Prompt engineering (Zero shot | Few-shot | chain-of-thought)

- **Data Analysis**: Python (Pandas, NumPy, Matplotlib, Sikit-learn), Data visualization, Statistical analysis and Web Scraping.

- **Software Development**: C/C++ | Python | SQL (MySQL).

- **Web Development**: Django | HTML | CSS.

- **Soft Skills**: Teamwork | Presentation Skills | Time Management | Adaptability | Communication | Active listening | Strategic planning | Cultural awareness.