

# Mohamed Mansour Sayed

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## Professional Profile

Communication engineering student with practical experience in data science, Ai agents and Machine learning. Combines strong technical skills in programming and automation with a growing expertise in machine learning applications. Recently developed a deep interest in **Agentic AI** and automation workflows using **n8n**, focusing on building AI-driven agents that integrate with real-world systems.

## Technical Skills

### Data Science

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

### Industrial Automation

- PLC programming
- Process control systems

### Networking

- Network configuration
- Cisco routing/switching

### Software Development

- C/C++
- Python scripting
- Database systems

### Web Development

- Django framework
- HTML/CSS

### Agentic AI & Automation

- n8n workflow automation
- AI-driven agent development
- API integrations & automation pipelines

## Machine Learning Experience

- Implemented **classification and regression algorithms** using **Scikit-learn**
- Applied ML techniques on real datasets with data preprocessing, feature selection, and model evaluation
- Developed end-to-end ML pipelines including training, testing, and accuracy reporting
- All implementations and code are available on GitHub: [github.com/Mans404](https://github.com/Mans404)

## Project Experience

### Data Science Survey Analysis

GitHub: [github.com/Mans404/Kaggle-2021-Data-Science-Survey-Competition](https://github.com/Mans404/Kaggle-2021-Data-Science-Survey-Competition)

- Analyzed survey data from over 25,000 data science professionals
- Created visualizations to highlight industry trends and salary benchmarks
- Developed skills in data cleaning and exploratory analysis

### AI Agent with n8n

- Designed and implemented AI-powered automation workflows using n8n
- Integrated external APIs to build intelligent, event-driven agents
- Explored use cases of Agentic AI for task delegation and process automation

## Education

### Bachelor of Electronics and Communication Engineering

South Valley University | Expected 2026

- Coursework includes digital systems, control theory, and network protocols
- Practical training in industrial automation systems
- Senior project focusing on IoT applications in industrial settings

## Certifications

- AI (Artificial Intelligence)** - Huawei NTI
- Machine Learning** / NTI
- Python Programming** / Mahara-Tech
- CCNA v7 - Routing and Switching** / NTI