

# JERRY MOMANYI MONYENYE

## AI Generalist & Automation Developer | IT Support & Full-Stack Engineer

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
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🌐 <https://www.linkedin.com/in/jerry-monyenye-379a2a27a/>

🐙 [github.com/spring-er](https://github.com/spring-er)

### Profile

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Innovative **AI Generalist and IT Systems Developer** skilled in building AI-powered tools, automation workflows, and full-stack applications that solve real user and business problems. Strong experience across **Python, machine learning, web development, IT support, and cloud-based applications**, backed by certifications in Machine Learning (HarvardX), Neural Networks (DeepLearning.AI ) , and Google Cybersecurity.

Built production-ready solutions including an AI invoice automation agent, a caregiving services web platform, an intelligent rental tracking system, and AI chatbots. Combines deep analytical skills with hands-on engineering ability, rapid learning, and a passion for creating impactful AI solutions.

Seeking roles in **AI/ML engineering, automation engineering, IT support, or full-stack development.**

### Skills

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#### AI & MACHINE LEARNING

Python, TensorFlow, scikit-learn, neural networks, model training, data preprocessing, AI agents, automation workflows, prompt engineering.

#### IT & SYSTEMS

Technical support, troubleshooting, Windows/Linux administration, system deployment, networking fundamentals, DevOps basics (Docker, CI/CD).

#### SOFTWARE & WEB DEVELOPMENT

JavaScript (React, Node.js), HTML/CSS, PHP, Flask, MySQL, MongoDB, Supabase, REST APIs, Git/GitHub.

#### CYBERSECURITY

SIEM basics, vulnerability scanning, log analysis, incident detection, risk assessment.

### Technical Projects & AI Systems Built

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2025

#### Website Development

*Serene Wings Caregiving Website*

- Designed and deployed a client-facing caregiving platform with **Supabase backend + EmailJS integration**.
- Delivered a modern, SEO-optimized, and responsive web solution.

2025

#### Cybersecurity Labs & Simulations

- Applied **Google Cybersecurity training** to conduct risk analysis and detection exercises.
- Wrote **Python scripts** for security automation and log analysis.
- Strengthened skills in vulnerability scanning and proactive defense.

2025

#### AI Invoice Automation Agent (2025)

Built an AI system capable of generating downloadable invoices with logo placement, automated formatting, and dynamic data extraction. Implemented PDF generation, template rules, and error-free layout automation.

## Professional Experience

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2025

### IT SUPPORT

*Telkom*

- Provided front-line technical support for staff, resolving hardware, software, and network issues across Windows and Linux systems.
- Assisted with system maintenance tasks including updates, device configuration, and workstation setup.
- Helped manage user accounts, access permissions, and routine administrative tasks.
- Monitored network and system performance, escalating issues when necessary to ensure uptime.
- Documented troubleshooting steps and created knowledge-base notes to improve support efficiency.
- Contributed to small automation tasks using Python to streamline repetitive IT workflows.

## Education

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2022 – 2025

### Bachelors in Information Technology

*Mount Kenya University*

- Coursework in **Artificial Intelligence, Cybersecurity, Data Science, Database Systems, and Software Engineering.**
- Developed projects in **web development, machine learning, and IT system security.**

## Certificates

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### Neural Networks and Deep Learning

*Developed neural networks from scratch, learned back propagation, gradient descent, and applied deep learning principles to real datasets.*

### Google Cybersecurity Professional Certificate

*Gained hands-on experience with SIEM tools, log analysis, network security fundamentals, threat detection, and security documentation.*

### HarvardX – Machine Learning with Python

*Learned supervised/unsupervised learning, applied ML algorithms, model optimization, and predictive modeling using Python.*

### Introduction to Programming

*Built strong foundational skills in Python programming, algorithms, logic building, and backend automation principles.*