

# PATRICK ATTANKURUGU

## AI/ML Engineer

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### PROFESSIONAL SUMMARY

AI/ML Engineer with 3+ years of professional experience building production-grade intelligent systems for fintech security, identity verification, and surveillance applications. Expertise in computer vision, fraud detection, and modern AI architectures including LLMs.

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### TECHNICAL SKILLS

- **Languages:** Python (PyTorch, TensorFlow, OpenCV), SQL, JavaScript
- **Frameworks:** FastAPI, React, HuggingFace Transformers
- **AI/ML:** Computer Vision (YOLO, Face Recognition), NLP (LLMs, Transformers), Fraud Detection, MLOps
- **Cloud/Infrastructure:** AWS, Azure, Docker, Git, PostgreSQL, MongoDB, Redis
- **Specializations:** Identity Verification, Document Verification, Deepfake Detection, Real-time Processing, API Development

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### EDUCATION

University of Ghana, Legon | 2018 - 2022

Bachelor of Science in Computer Science

- **Final Year Project:** Crowd monitoring and surveillance using deep neural networks

**Professional Development:**

- **Aspire Leaders Program** - Aspire Institute (Harvard) | August 2024 - November 2024
- **Entrepreneurial Studies** - Queen's University (Canada) | January 2024 - August 2024
- **Fine-tuning Large Language Models** - Professional Certification | 2023
- **Multi AI Agent Systems with CrewAI** - Advanced Certification | 2024

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### WORK EXPERIENCE

Agregar Tech – Senior AI/ML & Backend Engineer | August 2024 - Present

- **KYC/KYB Platform:** Led AI system reducing manual review by 85%
- **Fraud Prevention:** Built deepfake detection achieving **96% accuracy**, preventing **\$2M+ potential losses**
- **Technical Leadership:** Deployed ML pipeline serving **used by several clients**, promoted to Senior role in **6 months**

Ghana Digital Centres Limited - AI Developer | Nov 2022 - July 2024

- **Predictive Security:** Built ML surveillance platform for proactive crime prevention
- **Real-time Processing:** Developed anomaly detection with **<200ms latency** and **92% accuracy**

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### REFERENCES

Available upon request