

**TONNY KIPLAGAT** 0793572028 • tonnykiplagat2002@gmail.com LinkedIn.com/in/tonny-kiplagat-238101252 • github.com/TONNY-01/Data-Science-Projects

**PROFESSIONAL SUMMARY** Dynamic Data Scientist, ML/AI Engineer & Sales Director with a robust background in Actuarial Science. Expert in developing and deploying advanced machine learning models and AI-driven agent automation to drive actionable insights and transformative results. Proven record in increasing predictive accuracy by 35%, reducing data processing time by 40%, slashing customer churn by 30%, and boosting in-app purchases by 40%. Adept at leveraging cloud platforms (AWS, GCP, Azure) and automation tools (Make, n8n, Zapier) to deliver measurable business impact.

## **KEY SKILLS & TECHNOLOGIES**

- **Programming:** Python, R, SQL
- **Data Analysis & Visualization:** NumPy, Pandas, Scikit-Learn, Tableau, Power BI, Matplotlib, Seaborn
- **Machine Learning & AI:** TensorFlow, PyTorch, NLP, Computer Vision, Generative AI, LLMs
- **Tools & Platforms:** Jupyter, Google Colab, Git/GitHub, Docker, Kubernetes, Hugging Face, LangChain
- **Cloud & Automation:** AWS (SageMaker, Lambda), GCP (BigQuery, AutoML), Azure ML, Make, n8n, Zapier
- **AI Training & Moderation:** Chatbot development, AI response fine-tuning

## **PROFESSIONAL EXPERIENCE**

**Upwork (Freelance) – Data Scientist & ML/AI Engineer** | 2023 – Present • Led 10+ projects enhancing predictive accuracy by 35% using advanced modeling techniques. • Developed interactive AI-driven dashboards (Power BI/Tableau) to enable data-driven decisions. • Automated data workflows, cutting processing time by 40%.

**Upwork/Fiverr (Freelance) – Machine Learning Engineer** | 2023 – Present • Engineered complete ML solutions from data preprocessing to deployment, increasing client satisfaction by 50%. • Designed and deployed AI agents for automated trading and chatbot services, boosting engagement by 25%.

**Freelance – AI Training Specialist & Chat Moderator** | 2023 – Present • Fine-tuned AI models for chatbots, significantly enhancing response accuracy and user experience. • Managed moderation for AI platforms to ensure high-quality, compliant interactions.

**Kyoskapp (Contract) – Sales Director & Digital Marketing Innovator** | Jan 2025 – Apr 2025 • Automated social media marketing using Make, n8n, and Zapier, increasing user engagement and conversion rates. • Implemented predictive analytics to reduce churn by 30% and enhance in-app purchase rates by 40%. • Coordinated cross-functional teams to seamlessly integrate automation strategies.

**Equity Bank Limited** – *IT Intern, Information Systems* | Feb 2020 – Dec 2024 • Deployed AI-driven maintenance algorithms and real-time monitoring systems, reducing downtime by 30%. • Automated data pipelines, accelerating incident resolution by 35%.

**County Government of Uasin Gishu** – *Financial Analyst* | Aug 2019 – Feb 2020 • Integrated ML models for forecasting and budgeting, optimizing fiscal management and resource allocation.

## KEY PROJECTS

- **Malicious URL Detection:** Ensemble classifier achieving 98% accuracy
- **Fake News Detection:** NLP-based model with 95% precision.
- **Insurance Fraud Detection:** Predictive model reducing false positives by 20%.
- **AI-Powered Chatbot:** GPT-based deployment increasing response efficiency by 30%.
- **AI Agents for Automated Tasks:** Implemented via LangChain, boosting productivity by 40%.

## EDUCATION & CERTIFICATIONS

**Bachelor of Science in Actuarial Science** – Moi University (2019 – 2024)

**Certifications:** • Certified IBM Developer (Credly) • Google Cloud Professional Data Engineer  
• AWS Certified Machine Learning – Specialty

*References available upon request.*