

EUNICE MURIITHI

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PROFESSIONAL SUMMARY

Results-driven Data Scientist and ML Engineer with over 2 years of experience building and deploying AI solutions. Skilled in managing end-to-end machine learning pipelines from data wrangling to model deployment and MLOps using machine learning frameworks and FastAPI on major cloud platforms. Proven track record in NLP, predictive analytics, and computer vision, solving real-world challenges. Passionate about delivering business value through scalable AI and mentoring the next generation of tech talent. Currently seeking roles in AI engineering, applied data science, or ML product teams focused on building high-impact, production-ready solutions.

SKILLS

- **Programming & Frameworks:** Python (Django REST Framework, NumPy, Pandas), SQL
- **Machine Learning & NLP:** TensorFlow, PyTorch, Scikit-Learn, Sentiment Analysis, NLTK, Hugging Face Transformers, Computer Vision.
- **Data Analytics & Visualization:** Power BI, Tableau, Matplotlib, Seaborn
- **Database Management Systems:** MySQL, PostgreSQL
- **Cloud & Deployment:** Docker, AWS (S3, EC2), Server (ScalaHosting), FastAPI, MLflow

EXPERIENCE

Machine Learning Engineer | Invisible Technologies | Remote | December 2023 - January 2025

- Enhanced sales forecasting accuracy by 30% and reduced inventory holding costs by \$500K/year by developing time-series models using PyTorch on retail transaction data.
- Improved model reliability by 15% through implementing model versioning and hyperparameter tracking with MLflow, ensuring consistent performance across product lines.
- Minimized model downtime to near-zero by containerizing predictive pipelines with Docker and deploying via FastAPI on AWS EC2, supporting real-time stock planning.
- Reduced customer churn by 12% by conducting real-time sentiment analysis of customer reviews using NLTK and Hugging Face Transformers, improving feedback response systems.

Data Analyst Trainer | Lux Tech Academy | Hybrid | August 2024 - November 2024

- Achieved a 90% course completion rate and helped 80% of learners secure jobs/internships by delivering training in Python, Power BI, Tableau, and machine learning.
- Improved data literacy and practical skills by mentoring 120+ students through hands-on exercises and real-world case studies.
- Enabled the development of business-ready insights by guiding learners in building capstone projects using Scikit-learn and Power BI.
- Enhanced student engagement and retention by using Seaborn and Jupyter Notebooks to simplify complex concepts.

Machine Learning Engineer Intern | CodSoft | Remote | June 2024 - July 2024

- Enhanced retail demand forecasts by 30%, contributing to a 12% revenue increase, by applying Scikit-learn models to seasonal transaction datasets.
- Increased conversion rates by 15% by developing a recommendation engine developed in Python, using user-product interaction data from e-commerce activity.
- Enabled 25% faster executive decisions by creating KPI-driven dashboards in Tableau, visualizing stockout risks and sales projections.
- Reduced report generation time by 40% by integrating PostgreSQL queries with Python scripts to automate retail analytics.

ICT Support Intern | Kenya Airports Authority | Onsite | May 2023 - August 2023

- Reduced system downtime by 30% by providing Tier-1 support to over 200 staff using network tools.
 - Ensured real-time communication to 10,000+ passengers daily by managing the Flight Information Display System (FIDS).
 - Reduced troubleshooting time by 35% through structured logging and SQL-based issue diagnostics in MySQL.
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EDUCATION

Data Science and Artificial Intelligence | Ngeni Labs (Code3Camp) | Nairobi, Kenya | June 2024

Bachelor of Business Information Technology | Multimedia University of Kenya | Nairobi, Kenya | October 2023

PROJECTS

- **Medical Q&A Chatbot:** Developed a chatbot using Python, Flask, TensorFlow, and Transformers to improve access to reliable health information in underserved communities.
 - **Real-time Warehouse Tracker:** Built a tracker with YOLOv8, Roboflow, and OpenCV, enhancing inventory accuracy and reducing operational delays in a warehouse.
 - **Agri Smart:** Created a farm analytics tool using Python, Scikit-learn, and Power BI for dashboard visualization, boosting crop yields and supporting sustainable farming decisions.
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REFERENCE

Available Upon Request.