EUNICE MURIITHI

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PROFESSIONAL SUMMARY

Results-driven Data Scientist and ML Engineer with 3+ 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 TensorFlow, PyTorch, FastAPI, Docker, and AWS. Proven expertise in NLP, predictive analytics, and computer vision, solving real-world challenges across forecasting, automation, and diagnostics. Passionate about delivering scalable, production-ready AI systems 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 solutions in production environments.

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 | July 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% and supported 12% revenue growth by applying Scikit-Learn models to seasonal transaction data.

- Increased conversion rates by 15% through a personalized recommendation engine built using Python.
- Delivered 25% faster decision-making by creating KPI-driven dashboards in Tableau visualizing stockout risks and sales trends.
- Automated analytics reporting processes, reducing manual effort by 40%, using integrated PostgreSQL queries and Python scripts.

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

- Reduced retail system downtime by 30% by providing proactive Tier-1 ICT support using Linux-based diagnostics.
- Maintained real-time signage and advertisement systems by supporting the Flight Information Display System (FIDS).
- Ensured seamless operations for 10,000+ daily passengers by stabilizing network infrastructure impacting retail environments.
- Reduced troubleshooting time by 35% through structured logging and SQL-based issue diagnostics in MySQL

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 Object 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.

REFERENCE

Available Upon Request.