

EUNICE MURIITHI

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Personal Summary

Highly skilled Data Scientist and ML Engineer with 3+ years of experience applying AI, predictive modeling, speech analytics, sentiment analysis, and geospatial analytics to solve challenges. Skilled in PyTorch, Scikit-learn, Transformers, NLP, computer vision, and time-series forecasting. Experienced in Azure and Databricks for scalable AI solutions, cloud deployment, and MLOps. Adept at managing the full ML pipeline and collaborating with cross-functional teams to drive data-driven insights.

Technical Skills

- Python
- SQL
- FastAPI
- Data Mining
- Predictive Modeling
- Statistical Analysis
- A/B Testing
- Numpy and Pandas
- Matplotlib and Seaborn
- Visualization Tools(PowerBi)
- TensorFlow
- Scikit-learn
- PyTorch
- Sentiment Analysis
- Natural Language Processing
- Computer Vision
- Gen AI
- Cloud computing platforms (AWS, Azure, GCP)
- Problem-Solving
- Critical Thinking
- Effective Communication

Work Experience

Invisible Technologies | Remote- Contract
Machine Learning Engineer
12/2023 - 01/2025

- Developed a predictive analytics platform that enhanced forecasting accuracy by 30%, saving \$500,000 in annual inventory costs.
- Collaborated with cross-functional teams to align AI initiatives with business objectives, improving project delivery efficiency by 40%.
- Executed A/B testing on machine learning models, achieving a 15% performance improvement and enhancing customer satisfaction.

Lux Tech Academy| Remote
Data Analyst Trainer
08/2024 - 11/2024

- Trained 120+ students in Python for data analysis, machine learning, and visualization, achieving a 90% course completion rate..
- Led interactive workshops on data wrangling, feature engineering, and exploratory data analysis, ensuring hands-on mastery.
- Guided 120+ learners through real-world projects, with 80% successfully applying their skills in jobs or career advancements.

CodSoft | India
Machine Learning Engineer Intern
06/2024 - 07/2024

- Implemented a recommendation system enhancing the user experience and boosting sales by 15%.
- Created interactive dashboards enabling stakeholders to interpret large datasets which improved decision-making efficiency.
- Developed predictive models, improving market trend forecasting by 30% and increasing financial performance by 12%.

Kenya Airports Authority | Nairobi, Kenya
ICT Support Intern
05/2023 - 08/2023

- Administered Flight Information Display System (FIDS) at JKIA, ensuring seamless real-time information flow across multiple locations.
- Managed ICT support for 200+ users, troubleshooting technical issues to maintain smooth airport operations.

- Optimized network performance, ensuring uninterrupted Wi-Fi and LAN for 10,000+ passengers daily, reducing downtime by 30%.

Education

Ngeni Labs (Code3Camp) | Nairobi, Kenya
Data Science and Artificial Intelligence
06/2024

Multimedia University of Kenya | Nairobi, Kenya
Bachelor of Business Information Technology
10/2023

Projects

- **Medical Chatbot:** A chatbot providing accurate answers to general medical questions, improving health literacy and decision-making in underserved areas.
Tools: Python, Flask, TensorFlow, NLP Libraries, Transformers, Chainlit.
Impact: Enhances access to reliable health information, empowering communities with better health knowledge.
- **LinkedIn Post Pro:** A platform to generate professional LinkedIn posts in multiple languages, fostering networking and knowledge-sharing across diverse communities.
Tools: Python, NLP Libraries, Streamlit, Transformers.
Impact: Promotes career growth, professional connections, and knowledge exchange in East Africa and beyond.
- **Real-Time Vendor Tracking with AI:** A real-time object detection and tracking system for warehouses, improving inventory management and operational efficiency.
Tools: Python, OpenCV, TensorFlow, YOLO, Roboflow.
Impact: Optimizes supply chains, reduces costs, and ensures seamless warehouse operations.
- **Agri Smart:** A data-driven agricultural system that helps farmers optimize practices, improve yields, and adopt sustainable methods.
Tools: Python, Pandas, Scikit-learn, Tableau, Power BI, Angular, JavaScript.
Impact: Enhances food security and promotes sustainable farming, benefiting farmers and the environment.

References

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