

PERIS WANGARI

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SKILLS

Software/ Tools: Excel, Python, Git/ Github, SQL, PowerBI, Tableau, PowerBI

Technical Skills: Data mining and preprocessing, Model Development and Evaluation, Natural Language Processing (NLP), LLMs, A/B Testing.

Soft Skills: Strong business sense, Effective communication, Problem solving, Innovation

PROJECTS

Unraveling the Mysteries of the Female Brain, WiDS Datathon 2025 Feb 2025 – Present

- Achieved high-accuracy predictions for ADHD diagnosis and sex by building and optimizing machine learning models using functional MRI connectome matrices and socio-demographic data.
- Streamlined model development by creating scalable, end-to-end ML pipelines for feature engineering, training, and evaluation, improving reproducibility and experimentation speed.

Food Delivery Trends Analysis, Innomatics Hackathon [Link](#) April 2025

- Designed a dynamic, real-time updating map in Tableau based on filters such as cuisine type, price range, dining style (buffet, delivery, pubs), and user ratings.
- Enhanced user experience by incorporating custom star ratings, review counts, and detailed tooltips displaying all available cuisines for each restaurant.

Healthcare Q&A System, DataTalksClub.io [Link](#) July – October 2024

- Developed an AI-powered Health Assistant using large language models (LLMs) and RAG techniques, achieving a Hit Rate of 99% and MRR of 96% with hybrid vector searches for accurate health information.
- Boosted query relevance to 88% by optimizing retrieval with Elasticsearch and applying advanced evaluation methods like LLM-as-a-Judge, significantly enhancing user engagement with conversational AI.

WORK EXPERIENCE

Tide Enterprises Kiambu, Kenya

Data Analyst, Finance and Operations July 2024 - Present

- Oversaw financial management activities, including budgeting and forecasting, leading to reduction in unnecessary expenses by 20% through improved resource allocation.
- Automated workflows to enhance operational efficiency and deliver actionable insights aligned with business growth objectives.
- Delivered actionable insights using data analysis techniques, supporting strategic decision-making and driving improvements in operational efficiency.

Celestial Crafters Nairobi, Kenya

Data Scientist Feb 2024 – October 2024

- Developed predictive models using advanced statistical techniques on historical data to forecast sales figures with 95% accuracy, leading to an increase in annual revenue.
- Collaborated with cross-functional teams to streamline product research, data collection and compiling processes, improving code and overall data accuracy by 15%.
- Collaborated on process optimization and project management, boosting data accuracy by 15% and uncovering insights that improved strategic planning.

Viewtech Limited Nairobi, Kenya

Finance and Operations July 2023 – Dec 2023

- Tracked key performance indicators to measure the effectiveness of marketing campaigns and strategies.
- Provided recommendations to stakeholders via high-quality reports and dashboards, supporting data-driven decisions that boosted team productivity by 15%.
- Leveraged data analysis to identify inefficiencies in financial processes, streamlining workflows.

EDUCATION

Strathmore University, Nairobi, Kenya 2024

Bachelor of Business Science, Financial Economics

Relevant Coursework; Advanced Statistics, Econometrics, Mathematics, Linear Algebra, Calculus

CERTIFICATES

- **Large Language Models Certificate**, DataTalks.Club (2024)
- **IBM Data Analyst Certificate** (2022)