
Musingila Dennis Mwandikwa

P.O Box 30344-00100, Tel: 0799-730-434, Email:

musingiladennis@gmail.com

CAREER OBJECTIVES

1. To work in an enabling environment where my qualifications, aptitude and experience will be an asset to the achievement of the organization's goals and objectives.
2. To work in an organization that offers an atmosphere to learn and impart new skills for career development in the Actuarial and Data science field.

PROFESSIONAL SKILLS

- Proficient in python and R programming languages with the ability to solve a wide range of statistical and analytical problems
- Strong mathematical and analytical skills
- Proficient in Machine Learning, Deep Learning using TensorFlow, Natural Language Processing, Reinforcement Learning, and Deep Reinforcement Learning.
- Ability to apply knowledge in all the aforementioned fields to a variety of real-world and statistical problems
- Ability to apply knowledge in Machine and Deep Learning to make and visualise predictive and analytical models
- Proficient in Excel Spreadsheets and various data visualization tools. Strong skills in HTML, CSS, JavaScript, TypeScript, React, Next.js, Node.js, Git, Tailwind, Prisma,
-

MongoDB, Express, PostgreSQL, Flask, Framer Motion, Sklearn, Tensorflow, Pytorch, Apache Spark, and PySpark.

PERSONAL ATTRIBUTES

Musingila Dennis is a versatile, ambitious, confident and friendly Actuarial science student from the university of Jomo Kenyatta of Agriculture and technology with a love for Artificial intelligence and Artificial intelligence-driven technologies. I can work in fast-paced office environment with the ability to adapt and grasp new skills and believe in going the extra mile to achieve the laid down objectives. In both my learning and work experience, I believe in teamwork and working cooperatively with minimal or no supervision to achieve the set tasks

WORK EXPERIENCE

WORK EXPERIENCE

Freelance Fullstack Developer & Research Collaborator

Various Locations

2024 - Present

- Architecting and developing robust backend systems for data-driven applications.
- Leveraging expertise in backend technologies such as Node.js, Express.js, Flask, and databases like MongoDB and PostgreSQL.
- Specializing in integrating machine learning and data mining techniques into backend systems.

Data Engineer

Remote

2022

- Engineered data infrastructure for a social media analytics firm to support real-time ingestion, processing, and analysis of social media data streams.
- Implemented data governance and quality assurance processes.

□

-
- Advised on leveraging advanced machine learning techniques for extracting actionable insights from complex datasets.

Part-Time Research Collaborator

Remote

2021 - 2023

- Contributed to machine learning, deep learning, and reinforcement learning research projects.
- Collaborated with interdisciplinary teams, developed and benchmarked cutting-edge models, and conducted rigorous experiments.
- Facilitated knowledge transfer sessions.

Web Development

Various Locations

2021-2023

- Built end-to-end data science solutions using web development skills.
- Mastered HTML, CSS, JavaScript, React, and Next.js to integrate data visualization and analysis components into web applications.

Machine and Deep Learning Journey

Everywhere

2019-2020

- Self-taught journey into deep learning, mastering techniques including natural language models, reinforcement learning models, and generative adversarial models.
- Applied advanced techniques to various research projects.

Cybersecurity Bootcamp

Zalego, Nairobi

2018

-
- Completed a pentesting/cybersecurity bootcamp, gaining expertise in cybersecurity and ethical hacking.

ACADEMIC QUALIFICATIONS

- **Bachelor's Degree in Actuarial Science**, Jomo Kenyatta University of Agriculture and Technology (JKUAT), Kenya (Ongoing since 2018)
- **Certificate in Ethical Hacking and Data Security**, Zalego Institute of Technology, Nairobi (2018)
- **Kenya Certificate of Secondary Education (KCSE)**, Machakos School, (2014-2017, Mean Grade: B+)
- **Kenya Certificate of Primary Education (KCPE)**, Musa Gitau Primary School, (2013, Score: 378 out of 500)

PROJECTS

All of these projects can be viewed from my portofolio website here:
<https://portofolio-2cdg.vercel.app/>

- **socialWatch**: Social media analytics platform leveraging web scraping, NLP, and data visualization. Built with React, Next.js, TypeScript, Tailwind CSS, Zod, Puppeteer, Python, Flask, and PostgreSQL.
- **priceWise**: Price tracking and notification platform for Amazon products using web scraping. Built with Next.js, TypeScript, Tailwind CSS, Puppeteer, MongoDB, and Cron Jobs.
- **Technical Blog**: Blogging platform for technical writing using Next.js, Content Layer, Markdown, and Zustand.
- **eCommerce Admin Dashboard**: Feature-rich platform for managing online stores, built with Next.js, Cloudinary, Prisma, PlanetScale, MySQL, Stripe, and Tailwind CSS.
- **eCommerce Store**: Frontend for an eCommerce platform, integrated with the Admin Dashboard. Built with Next.js, Tailwind CSS, TypeScript, and Stripe.

-
- **Fitness App:** App with exercise GIFs and YouTube tutorials using React, RapidAPI, and Tailwind CSS.
 - **YouTube Clone:** Video streaming platform mimicking YouTube functionality using React and RapidAPI.

Machine Learning projects

They can be accessed using the following GitHub repository links:

Machine Learning: <https://github.com/daynoh/Machine-learning-algorithms>

Deep Learning: <https://github.com/daynoh/Deep-learning-using-Tensorflow>

Natural Language Processing:

<https://github.com/daynoh/Natural-language-processing-using-Tensorflow-and-spacy>

Reinforcement Learning: <https://github.com/daynoh/Reinforcement-learning>

Feature Engineering: <https://github.com/daynoh/Feature-engineering>

