DENZEL KANYEKI KINYUA

DATA ENGINEER

CONTACT

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denzel-kinyua.vercel.app

SKILLS

Languages: Python, SQL, Django & Flask

Data Storage: mySQL, PostgreSQL, AWS

ETL and ELT development

Data Visualization & Exploratory Data Analysis tools: pandas, numpy, Tableau, MS Excel, Power BI

Web scraping & APIs: Scraping using beautifulsoup and API consumption using requests

Basic knowledge in machine learning concepts e.g. regression.

EDUCATION

Bachelor of Science (Civil Engineering)
Machakos University

2019 - 2024

Pursued a Bachelor of Science in Civil Engineering, to learn about the keys and building blocks of Civil Engineering e.g. Design and Detailing of structures and roads, project management, engineering contracts (FIDIC)

Kenya Certificate of Secondary Education
Murang'a High School

2015 - 2018

Finished secondary education with a grade of B+ and attained 72 points.

LANGUAGES

English

Kiswahili

French

PROFILE

Detail-oriented and resourceful Data Analyst with a strong foundation in Python, SQL, ETL pipeline development, and data-driven research methods. Skilled in data cleaning, web scraping, automation, and visualization with practical experience in building data pipelines and crafting actionable insights from structured and unstructured data. Passionate about supporting decision-making through statistical analysis and visual storytelling. Adept at learning new tools, contributing to research, and collaborating cross-functionally.

PROJECT

Kenyan Housing Data Analysis Project

- Scraped housing data from a real estate website using beautifulsoup and requests.
- Loaded the scraped housing data into a JSON file for EDA and data analysis using pandas and Numpy
- Cleaned the data and performed EDA to establish relationships between house sizes, house prices, and how location affects house prices.
- Separated the housing data into different price ranges and loaded the data into Excel sheets and a PostgreSQL database.

WORK EXPERIENCE

Civil Engineering Attachee

State Department of Public Works   January 2024 - May 2024

- Conducted site visits and inspections under the guidance of my supervising engineer to monitor project progress and compliance with standards.
- Performed manual design and detailing of structures, ensuring safety and stability through accurate calculations.
- Utilized engineering software such as AutoCAD and Etabs for structural design and detailing.
- Applied British Standard (BS) Codes to ensure designs met regulatory and industry standards.

Operations Intern

Herdy Fresh   January 2019 - September 2019

- Helped manage projects from conception to completion, ensuring high-quality deliverables within project timelines improving project completion by 15%.
- Tasked with loading products into the database and assisting in daily operational tasks.
- Worked closely with the assistant Chief Operations Officer (COO) to streamline processes.
- Contributed to managing the company website while learning the basics of software development.

REFERRALS AND TESTIMONIALS

1. Eng. Gilbert Manga, State Department of Public Works, Nairobi.
   Contact Information: 0729 479 842
2. Derrick Muturi, KOKO Networks.
   Contact Information: 0718 101 939