

# David Ng'uno Ochiel

## Full Stack Software/Machine Learning Engineer

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### Relevant Experience

#### Full Stack Engineer (Contract), @ Dulchori Fitness

Apr 2023 – present | Nairobi, Kenya

- Collaborated with the client to gather requirements and define project scope.
- Designed and developed a responsive front-end interface using HTML, CSS, and JavaScript.
- Designed the application architecture, database schema, and RESTful API endpoints.
- Created custom Django templates to generate dynamic web pages based on user input.
- Built the Django application using Python, HTML, CSS, and JavaScript.
- Configured the PostgreSQL database, set up migrations, and ensured data integrity.
- Implemented user authentication and authorization using Django's built-in authentication framework.
- Deployed the application on Sasahost cloud platform.
- Completed the project within the agreed-upon budget, delivering a high-quality, user-friendly, and scalable web application.
- Still providing ongoing maintenance and support, including bug fixes, feature enhancements, and performance optimizations.

#### Intern, @ Synergy Informatics

Feb 2022 – Mar 2022 | Kisumu, Kenya

- Developed and maintained web applications using a variety of programming languages and frameworks, including HTML, CSS, JavaScript, and Django.
- Conducted quality assurance testing and debugging to ensure website functionality and resolved any issues that arose.
- Designed and developed custom content management systems (CMS) to allow easy update and management of the website content.
- Learnt the importance of system design, requirements collection and analysis.
- Got introduced to the world of data (Data Science/Machine Learning/Artificial Intelligence).

### Projects

#### Personal Website

- Portfolio site created to showcase my skills and past work.
- Built with HTML, Tailwind CSS, JavaScript, and Django

#### Obesity Predictor

- Conducted exploratory data analysis to identify key predictors of obesity and to gain insights into the dataset.
- Preprocessed and cleaned the data to ensure accuracy and consistency of the model.
- Implemented Decision Tree classification algorithm to predict obesity rates based on physical and health-related factors.
- Communicated the results and findings of the project to stakeholders in a clear and concise manner.
- Continuously researched and updated knowledge of the latest techniques and technologies in the field of obesity prediction to enhance the quality of the project.

### Skills

#### Programming and Web Languages

HTML, CSS/Sass, Python, JavaScript (ES6), TypeScript

#### Libraries & Frameworks

Django, React, Gatsby, Node.js, Express  
Sci-kit Learn, Numpy, Matplotlib, Pandas

#### Databases

MySQL, PostgreSQL

#### APIs

RESTful, GraphQL

#### Tools & Platforms

Git, Github, Netlify, Heroku, Streamlit, Docker

#### Soft Skills

Communication, team work, problem solving, self motivation, adaptability

### Education

#### Bachelor of Science in Computer Science,

South Eastern Kenya University 

Aug 2019 – Apr 2023 | Kitui, Kenya

#### High School, St. Mary's School Yala

Feb 2015 – Nov 2018 | Siaya, Kenya

### Interests

Reading, Writing, Hiking, Cycling, Swimming