
CLIFFE OWINO IBANDE

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EDUCATION

Kisii University

Kisii County, Kenya

Bachelor of Science in Software Engineering

2020 - Dec 2024

Maseno School

Kisumu County, Kenya

Kenya Certificate of Secondary Education

2016 - Dec 2020

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, SQL, Mongo, PostgreSQL, Bash, HTML/CSS

Frameworks: Node.js, React, Django, Flask, React Native, Material-UI, GraphQL

Developer Tools: Git, Docker, Google Cloud Platform, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: Pandas, NumPy, Matplotlib, Seaborn, scikit-learn

Cloud Computing: Huawei Cloud

EXPERIENCE

Undergraduate Industrial Attachment

Huawei Tech. (Kenya) CO., LTD

June 2023 – Aug 2023

1. GDE:

- Created and refined data models for efficient data organization and management.
- Developed interactive dashboards using relevant tools, enhancing data visualization and accessibility.

2. Data Cube:

- Collaborated with team members to build and maintain data cubes for advanced analytics.

3. Network Experience Monitoring Report:

- Compiled comprehensive network experience monitoring reports, aiding in identifying areas of improvement.
 - Utilized data analysis techniques to extract actionable insights from collected data.
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PROJECTS

Web Development

SkillUp

Python, Flask, React Native, SQL, Docker, K-means, Git
Jan 2024 - Present

- A machine learning-based web application that uses K-means to analyze skill gaps and align the necessary workforce.
- Developed a full-stack web application using Flask serving a REST API with React Native as the Frontend.
- Visualized GitHub data to show collaboration.

Royal Watches

MERN Stack (MongoDB, Express.js, React, Node.js)
Mar 2024 – May 2024

- Developed a full-stack e-commerce website for selling watches using the MERN stack.
- Implemented features for product listing, user authentication, and payment integration.
- Enhanced user experience with responsive design and seamless navigation.

Shutter Spot

MERN Stack (MongoDB, Express.js, React, Node.js)
Feb 2024 – Apr 2024

- Created a full-stack application for photographers to find customers worldwide.
- Integrated Google Maps API for location-based service discovery.
- Developed a user-friendly interface for seamless communication between photographers and clients.

Osasuna-Fc

Node.js, React, JavaScript, Mongo, Git, HTML/CSS
Nov 2023 – Dec 2023

- Developed a full-stack web application using Node.js serving a REST API with React as the Frontend.
- Used Express for routing and MongoDB for storage.

- Successfully implemented the MVC approach in this project.

Machine Learning

SkillUp

Python, Flask, React Native, SQL, Docker, K-means, Git
Jan 2024 - Present

- Implemented K-means clustering to analyze and identify skill gaps within the workforce.
- Designed algorithms to recommend appropriate training programs based on analyzed data.

Data Science

Cost and Profitability Analysis

Python, Pandas, NumPy, Matplotlib
Jan 2024 – Feb 2024

- Conducted a data science project analyzing the cost structures and revenue streams of a business.
- Provided insights into financial performance through detailed data analysis.
- Utilized Pandas and NumPy for data manipulation and Matplotlib for data visualization.

Dynamic Pricing Strategy

Python, Pandas, NumPy, Matplotlib
Dec 2023 – Jan 2024

- Developed a data science project for adjusting prices in real-time based on market demands and competitor pricing.
 - Analyzed various factors influencing pricing to optimize revenue and profitability.
 - Used Python libraries to handle data analysis and visualization.
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