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**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

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## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, Mongo, PostgreSQL, HTML/CSS

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

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

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

**Cloud Computing:** Huawei Cloud

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## EXPERIENCE

**Software Developer**

*Techsavannah*

*Sep 2024 – Jan 7 2025*

- Contribute to delivering bespoke software solutions and IT consulting services for diverse industry clients
- Collaborate on projects aimed at optimizing business operations and enhancing operational efficiency
- Participate in developing custom solutions to meet specific client requirements and business objectives

## **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**

### *Mobile Development*

#### **JamiiBudget**

*React Native, Appwrite, Node.js*

*Sept 2024 – Jan 2025*

- Developed a comprehensive full-stack expense tracking mobile application using React Native
- Implemented robust financial management features for effective budget tracking and analysis
- Utilized Appwrite as the backend service for secure data management and user authentication
- Enhanced user experience through intuitive interface design and responsive layouts

### *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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