

MWANGI PETER THUA

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CAREER OBJECTIVE

To leverage my comprehensive information technology education and skills in various IT fields including networking and administration, software development and IT support. I am looking to contribute effectively to an organisation's technological needs, while continuously enhancing my expertise through challenging tasks, projects and for professional growth opportunities in this ever changing environment.

PERSONAL PROFILE

I am a graduate of Information Technology who is driven by deep curiosity for technology and its potential to transform societies. In my possession are a proactive mindset coupled with a strong work ethic which has allowed me to excel in both independent and team oriented environments. I am adept to problem-solving and I am always looking to stay up to date with the current and emerging technological trends.

WORK EXPERIENCE

Data Annotation Trainee | SamaSource Kenya Limited

Duration: September 2023

Training Overview:

During my tenure as a Data Annotation Trainee at Samasource Kenya Ltd, I had the invaluable opportunity to immerse myself in the field of data annotation and contribute to the company's mission of harnessing data for AI and machine learning applications. This role not only allowed me to gain hands-on experience in data annotation but also sharpened my attention to detail and data quality assurance skills for AI and machine learning projects.

Key Training Focus Areas:

- **Data Annotation Techniques:** Underwent comprehensive training in data annotation techniques, learning to accurately label and categorize various types of data, including text, images, and video frames, based on project requirements and industry standards.
- **Quality Control:** Gained expertise in conducting rigorous quality control checks on annotated data, ensuring data integrity and consistency through meticulous error identification and rectification.

- **Team Collaboration:** Participated in a collaborative training environment, working closely with fellow trainees and trainers to complete annotation tasks, share knowledge, and adapt to changing project needs.
- **Guideline Adherence:** Learned to strictly adhere to project guidelines and instructions, understanding the importance of meeting client expectations and maintaining data accuracy.

Training Outcomes:

- Developed foundational skills in data annotation and quality assurance, preparing me for future roles in data-related fields.
- Gained a practical understanding of the data annotation process and its critical role in training AI and machine learning models.
- Enhanced my ability to work effectively in a team, communicate clearly, and adapt to evolving project requirements.
- Demonstrated a dedication to precision and quality in data annotation, contributing to the successful completion of training projects.

Freelance Web Developer | Honda Motorcycles Kenya Limited

Duration: February 2023 – May 2023

Project Overview:

During this period, I had the privilege of collaborating with a branch of Honda Motorcycles Kenya Limited to design and develop a bespoke logistics management system. The project aimed to streamline their logistic operations, enhance efficiency and improve the overall supply chain management. While the project itself is not currently hosted online due to budgetary constraints and it being an in-house application, the skills and experience gained are highly relevant.

Key Responsibilities and Achievements:

- Developed a fully customized web application tailored to the specific needs of Honda Motorcycles Kenya Limited, focusing on user-friendly design and essential functionalities.
- Designed and implemented an end-to-end logistics solution, enabling real-time tracking of inventory from when they are received through complete knock down (CKD) to complete built units (CBU), order processing, order processing etc.
- Designed a comprehensive database structure for efficient data management, optimizing data retrieval processes for rapid access to critical information.

Results:

- Successfully delivered a user-friendly logistics management system that met and exceeded client expectations.
- Improved logistics efficiency, reduced costs and enhanced user satisfaction by optimizing inventory management and order processing.
- Enhanced data accuracy and accessibility, enabling data-driven decision making and quick response to market demands.
- Received positive feedback from Honda Motorcycles Kenya Limited for the project's successful implementation and ongoing support.

EDUCATION**2018 - 2022: Jomo Kenyatta University of Agriculture and Technology (JKUAT)**

Bachelors of Science in Computing and Information Technology
Second Class Upper Division

2014-2015: Murang'a high school

Form 1 – Form 2

2016-2017: Nyeri high school

Form 3 – Form 4

Kenya Certificate of Secondary Education (Grade: B+)

2000 -2010: Kihuti Primary School

Kenya Certificate of Primary education (Marks: 402)

**ACADEMIC PROJECT: Implementing an Online Fraud Detection System for Online
Banking Systems.**

Duration: April 2022 – December 2022

Project Overview:

Developed a Python-based web application in Django web framework that integrated machine learning models to detect online fraud for banking systems. The project was aimed at enhancing online security and protect against credit card fraud.

Achievements:

- Conducted a requirements collection and specification.
- Developed a web application using Python, incorporating machine learning algorithms for real-time fraud detection.
- Designed and implemented the system's user interface for ease of use and seamless integration with online banking platforms.

- Utilized data preprocessing techniques to clean and prepare datasets for model training.
- Implemented and fine-tuned machine learning models, including random forest and KNN, to detect fraudulent transactions with high accuracy.
- Conducted extensive testing and validation of the system to ensure its reliability and effectiveness in identifying fraudulent activities.
- Documented the project.

Results:

- While the project was not a 100 percent accurate in fraud detection, the research to the project taught me a lot on online security and its relevance for online service providers.
- The project also provided me the confidence that I am able to develop complex software applications that are not based on online tutorials.
- In the cases where I was stuck, I learnt to ask others for help which contributed significantly to my collaboration skills.
- Presented the project to a panel of supervisors in the faculty who in the end awarded me a perfect score of A grade.

Relevance to the Job:

This project allowed me to develop strong programming, data analysis and machine learning skills. It also provided a hands-on experience in building web applications. I believe these skills and experiences are directly transferable to roles involving data science, machine learning or software development.

SKILLS

Networking (Network installation and configuration): I possess skills in networking in areas involving installation and configuration in areas such as cable termination, router configuration etc.

IT Support: I possess skills in software installation and configuration, printer support, OS installation etc.

Software Development: Proficient in Java, JavaScript and Python, with a deep understanding of object-oriented programming concepts and best practices.

Web Development: Experienced in front-end technologies such as HTML5, CSS3, and JavaScript, and skilled in building responsive and user-friendly web applications. I have experience working with Django and MERN included web frameworks.

Database Administration: I possess basic database administration skills for MySQL and PostgreSQL SQL databases and MongoDB NOSQL database.

SQL Programming: proficient in the Standard Query Language programming and performance optimization. I also work efficiently with various Object Relation Mappers and Object Document Mappers.

Team Player: I am excellent team player, able to communicate effectively and work collaboratively with cross-functional teams to achieve project goals.

Continuous Learning: Proactively staying updated with the latest trends and technologies in the IT industry to enhance skills and stay competitive.

Project Management: Basic project management skills, including planning, organizing, and prioritizing tasks to meet project deadlines effectively.

Documentation: Proficient in creating clear and concise technical documentation for code, projects, and user manuals.

REFEREES

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