

# KUDZAI P MATIZIROFA

MACHINE LEARNING ENGINEER

Address: Rydale ridge, Harare, Zimbabwe.  
LinkedIn: [linkedin.com/in/kudzai-prichard](https://www.linkedin.com/in/kudzai-prichard)  
GitHub: [github.com/kudzaiprichard](https://github.com/kudzaiprichard)

Phone: +263 71 390 9882 | +263 78 197 4149  
G-mail: [kudzaiprichard@gmail.com](mailto:kudzaiprichard@gmail.com)  
Website: [kudzaiprichard.me](https://kudzaiprichard.me)

## TECHNICAL SKILLS

---

**Languages:** Java | Python | JavaScript | SQL | HTML | CSS.  
**Machine Learning:** TensorFlow | Keras | Scikit-Learn | Pandas | Seaborn | Matplotlib.  
**Web Development:** Spring boot | Flask | Bootstrap | MySQL | MongoDB.  
**Development Tools:** JetBrains IDE`s | VS Code | Anaconda | Postman | Docker | Git | GitHub.

## PROFESSIONAL EXPERIENCE

---

**SOFTWARE ENGINEER INTERN | REPLICA SYSTEMS | Harare, ZW** 01/2022 – 06/2022

Built a site management system for a Zimbabwean construction company.

- Led design and development of data models, data query in **spring JPA** including the relational design and development of the database tables in **MySQL**.
- Assisted in developing and securing of the system Restful endpoints using **spring security** and **JWT**.
- Used **git** for version control with GitHub as the code base repository.

Developed and deployed the official **Replica Systems** website | [Website Link](#)

- Designed and built the site using **Html, CSS, JavaScript** and **Bootstrap**.
- Deployed the website via cloud hosting services, domain registration and search engine optimization.

## EDUCATION

---

- Bachelor of Science Honours Artificial Intelligence and Machine Learning, **University of Zimbabwe** 2022-Ongoing
- Certificate & Diploma in Information Technology Software Engineering, **University of Zimbabwe** 2019-2022
- Level 4 & 5 Diploma in Professional Computer Engineering, **ABMA Education UK** 2017-2019
- Certificate in Front-end Web and IOS mobile Development, **Muzinda Hub** 2019

## SELECTED PROJECTS

---

**Coin Compass | [GitHub Link](#)**

- Architected a predictive **microservices** API with **Python, Scikit-Learn,** and **Flask**, accurately forecasting cryptocurrency prices.
- Seamlessly integrated the API with Binance **WebSocket** using **Java, Spring Boot,** and **Spring Cloud**, and efficiently managed data with **MySQL** and **MongoDB**.

**U-Bot | [GitHub Link](#)**

- Engineered a robust, fully **automated trading robot** in **MQL4**, leveraging advanced market analysis and strategic trade execution.
- Deployed on **Meta Trader 4**, a premier platform trusted by top traders and brokers like Xness and Deriv, demonstrating expertise in developing high-performance trading systems.

## TRAINING AND PROFESSIONAL DEVELOPMENT

---

**Data Science Virtual Internship Program (British Airways) | [CERTIFICATE](#)** June 2023

- Trained and presented machine learning model using python, communicating performance metrics (e.g., accuracy, precision, recall) to stakeholders via PowerPoint, effectively highlighting insights and recommendations

**Artificial Intelligence Virtual Internship program (Cognizant) | [CERTIFICATE](#)** October 2023

- Applied NLP techniques to extract insights from customer review data, informing business decisions and improving customer satisfaction and built a predictive model to identify key factors influencing buying behaviors