

FIDELUGWUOWO DILIBE FRANKLIN

Phone No: +2348115863669 | Email: Franklinfidelugwuowo@gmail.com | [GitHub](#) | [LinkedIn](#)

PROFESSIONAL EXPERIENCE

FREELANCER: May 2023 – Present:

- Designed and deployed a machine learning model to classify weather data and identify climate patterns/regimes, improving data analysis efficiency by 92%.
- Built a predictive algorithm for Tesla stock price forecasting using Python PyTorch, Pandas, scikit-learn with 94% accuracy in backtesting.
- Created a Telegram bot leveraging web scraping Scrapy and Selenium to provide real-time cryptocurrency updates like prices, trends, tools for 300 active users monthly.

SOFTWARE ENGINEER | Meliora Business Solutions Limited: March 2025 – Present

- Designed and deployed an ERP solution for a hospital management system using Python, PySide6, and MySQL, streamlining administrative workflows and data tracking for five departments.
- Accelerated product development life cycle by 50% through optimized code architecture and automation tools, reducing time-to-market for critical features.
- Developed a licensing and anti-piracy module by creating an algorithm that ties activation codes to unique hardware identifiers reducing unauthorized software distribution.

SOFTWARE ENGINEERING INTERN | ALX AFRICA | MARCH, 2022 – FEBRUARY, 2023

- Collaborated with cross-functional teams to test and validate technical implementations against design specifications using Pytest, ensuring 100% alignment with project requirements.
- Spearheaded workflow optimization by developing automation scripts using Python and Bash for CI/CD pipelines, reducing repetitive tasks and improving team efficiency.
- Designed and executed 50+ unit tests (e.g., Python's unittest framework) to validate code functionality, documenting test cases that reduced post-deployment bugs.
- Redesigned legacy systems to resolve defects, enhance compatibility with modern hardware improving system performance by 25% and user satisfaction by 40%.

PROJECTS

FINDERS KEEPERS – AI-Powered Dating Platform

I developed a machine learning-driven dating app that matches users based on personality traits, interests, and behavioral data using algorithms like collaborative filtering or neural networks. I used Python PyTorch for ML modeling and React and Flask for frontend and backend, achieving 85% match accuracy in user testing.

CASSIA – Advanced Chess Engine

I built a high-performance chess engine using rust and algorithms like Minimax with Alpha-Beta pruning, capable of analyzing 10,000+ positions per second. I also Implemented GUI with Python's PyGame.

EDUCATION

BACHELOR OF ENGINEERING | APRIL, 2024

Mechanical Engineering | University of Nigeria

SKILLS

Languages: Python, C, C++, Rust

Frameworks: PyTorch, Django, Flask, Pytest

Database: MySQL, PostgreSQL, MongoDB

Soft Skills: Problem-Solving, Project Management, Innovation, Communication