

PRINCE ISHAKU

Data Scientist | Machine Learning Engineer | Python Developer

📍 Abuja, Nigeria

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Portfolio: <https://prince-ishaku-portfolio.vercel.app/>

GitHub: <https://github.com/princeishaku>

LinkedIn: <https://linkedin.com/in/prince-mshelia-5aaaa2116>

PROFESSIONAL PROFILE

Data Scientist and Machine Learning Engineer with experience designing, building, and deploying end-to-end AI solutions that transform data into business value. Skilled in predictive analytics, statistical modeling, feature engineering, machine learning pipelines, and REST API development using Python and FastAPI. Experienced in developing production-ready machine learning applications across regression, classification, clustering, and fraud detection domains.

Strong analytical background with practical experience in banking operations, customer analytics, and data-driven decision making. Passionate about solving real-world problems using Artificial Intelligence, Machine Learning, and Data Science.

CORE COMPETENCIES

Programming

- Python
- SQL
- JavaScript
- TypeScript

Data Science

- Data Cleaning
- Exploratory Data Analysis (EDA)
- Statistical Analysis
- Feature Engineering
- Data Visualization

- Predictive Analytics

Machine Learning

- Regression
- Classification
- Clustering
- Model Evaluation
- Hyperparameter Tuning
- Model Deployment

Libraries & Frameworks

- Pandas
- NumPy
- Scikit-learn
- XGBoost
- FastAPI
- React
- Next.js
- Tailwind CSS

Developer Tools

- Git
- GitHub
- Jupyter Notebook
- VS Code
- REST APIs
- Render
- Vercel

FEATURED PROJECTS

House Price Prediction

Python • Scikit-learn • XGBoost • FastAPI

- Developed an end-to-end machine learning model for residential property price prediction.
- Compared multiple algorithms including Linear Regression, Random Forest, Gradient Boosting, and XGBoost.
- Built and deployed a FastAPI REST API for real-time predictions.

- Optimized feature engineering to improve model performance.

GitHub:

<https://github.com/princeishaku/house-price-prediction>

Customer Churn Prediction

Python • Scikit-learn • FastAPI

- Built a customer churn prediction model using supervised learning.
- Performed exploratory data analysis and extensive preprocessing.
- Developed a REST API capable of serving live predictions.

GitHub:

<https://github.com/princeishaku/customer-churn-prediction>

Credit Card Fraud Detection

- Developed a fraud detection system using supervised machine learning.
 - Evaluated model performance using Precision, Recall, F1-Score, and ROC-AUC.
 - Deployed the solution as a production-ready prediction API.
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Customer Segmentation

- Applied K-Means Clustering to identify customer groups.
 - Generated actionable marketing insights through unsupervised learning.
 - Improved customer targeting strategies using behavioral analytics.
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Loan Approval Prediction

- Designed a classification model to predict loan eligibility.
 - Built a FastAPI-powered prediction service.
 - Implemented preprocessing and feature engineering pipelines for production deployment.
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PROFESSIONAL EXPERIENCE

Intern Relationship Officer

Abucoop Microfinance Bank Ltd — Abuja
Nov 2024 – Jan 2026

- Processed customer onboarding and KYC documentation.
 - Supported loan processing and customer data management.
 - Generated operational reports for business analysis.
 - Strengthened customer relationships through professional service delivery.
 - Worked with financial data to improve operational efficiency.
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NYSC Teacher (Social Studies)

Government Junior Secondary School, Karu
Dec 2021 – Nov 2022

- Delivered engaging classroom instruction.
 - Maintained student records and academic reports.
 - Increased student performance to over an 80% success rate.
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Media Director

Inspiration City — Plateau State

- Directed media and communication operations.
 - Coordinated media events and digital communications.
 - Awarded **Media Personnel of the Year**.
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EDUCATION

Bachelor of Science (B.Sc.) Sociology
Plateau State University, Boko

CERTIFICATIONS

- Web Programming & Penetration Testing
 - LinkedIn Learning — Data Analysis
 - LinkedIn Learning — Data Science Foundations
 - LinkedIn Learning — Business Analysis Foundations
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HIGHLIGHTS

- Built and deployed **5 production-ready Machine Learning applications**
 - Experienced with end-to-end ML pipelines
 - Developed scalable REST APIs using FastAPI
 - Strong understanding of feature engineering and model evaluation
 - Experienced with Git & GitHub version control
 - Comfortable deploying applications on Render and Vercel
 - Passionate about Artificial Intelligence and Data Science
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LANGUAGES

- English — Fluent
- Hausa — Fluent
- German — Basic