MAMMAN PATIENCE LAMI

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PROFESSIONAL SUMMARY

AI/ML Engineer with hands-on experience in developing and deploying machine learning and AI-driven solutions. Proficient in Python, TensorFlow, scikit-learn, Pandas, SQL, and Power BI, with experience in predictive modeling, computer vision, and data-driven decision support. Passionate about leveraging AI to solve complex problems, optimize processes, and deliver actionable insights across diverse sectors.

CORE SKILLS

- ML & AI: Python (Scikit-Learn, TensorFlow), Classification, Regression, Computer vision, NLP Basics
- Data & Analytics: SQL (MySQL, PostgreSQL), Data Wrangling, Visualization (Power BI, Tableau, Plotly), Predictive Modeling
- Deployment & Tools: Git, GitHub, Streamlit, streamlit cloud
- Soft Skills: Problem-Solving, Critical Thinking, Collaboration

PROFESSIONAL EXPERIENCE

ML/AI Engineer
Webfala Initiative for All   March 2025 – September 2025

- Built and deployed a Crop Disease Detection System and a Loan Prediction Model using Python, TensorFlow, scikit-learn, Pandas, and NumPy.
- Collaborated on data preprocessing, feature engineering, model training, and evaluation, contributing to real-world AI solutions.
- Crop Disease Detector achieved 94% accuracy across 7 plant classes, delivering actionable insights to farmers.
- Loan Prediction Model reached 85% prediction accuracy, supporting effective financial risk assessment and decision-making.

Data Analyst Intern
Thels Impact Consulting   Remote | March 2024 – October 2024

- Automated tuition reporting for 50+ universities, cutting manual research by 30%.
- Analyzed academic/financial data and delivered real-time insights via dashboards.
- Presented findings to stakeholders, supporting strategic decision-making.

Data Analyst Intern
Only Quality Data   Remote | July 2024 – August 2024

- Built customer churn prediction models and dashboards using SQL, Python, and Power BI.
- Delivered 3 end-to-end analytics projects (data wrangling, visualization).
- Guided retention strategy through churn risk insights.

EDUCATION

Kwara State University, Malete, Kwara State

Bachelor of Science (B.Sc.) in Microbiology   Aug 2017 – Nov 2021

KEY PROJECT

Health Risk Prediction Model

Tools: Python, Scikit-Learn, Pandas, Seaborn, MySQL

- Built a machine learning model to predict 10-year coronary heart disease (CHD) risk using health data including cholesterol, BP, BMI, and lifestyle factors.
- Achieved 85% model accuracy, providing early risk identification insights for preventative healthcare.
- Data source: 4,000+ patient records. Outcome: Recommendations for healthcare intervention planning.

Plant Disease Detection Model (Computer Vision)

- Developed a CNN-based model to detect plant diseases from leaf images.
- Enabled accurate classification of multiple diseases, demonstrating strong computer vision application skills.
- Tools: Python, TensorFlow, Keras, streamlit cloud