DAODU OLUWAYOMI DANIEL

Data Scientist | Machine Learning & AI Enthusiast | Hugging Face & SQL Practitioner | Electrical/Electronics Engineer

ABOUT

I am a motivated Data Scientist and Electrical/Electronics Engineer with over two years of experience in machine learning, NLP, and data analysis. My expertise covers Python, TensorFlow, Hugging Face, SQL, and data visualization, combined with a strong background in engineering problem-solving.

I have built and deployed AI-powered applications, chatbots, and predictive models, with portfolio projects ranging from disease detection in agriculture to real-time chatbot systems. I actively share my work on GitHub, Kaggle, and Replit, and I'm passionate about leveraging AI to deliver practical, real-world solutions.

EXPERIENCE

Data Science & AI Projects (Udemy, 2020 – 2021)
- Built ML models for classification, regression, and NLP tasks.
- Projects: Cassava & Beans Disease Detection, Titanic Survival Prediction, Disaster Tweet Classification, Food Vision Dataset.
- Designed Python-based applications (Snake, Blackjack, Caesar Cipher).
- Achievement: Delivered disease detection models for precision agriculture.

Project & Infrastructure Engineer (NYSC, Ajeromi/Ifelodun LGA, Lagos – 2020)
- Supervised municipal infrastructure projects in Ajeromi/Ifelodun LGA, Lagos.
- Maintained mechanical/electrical systems and updated project documentation.

Industrial Training – Electrical Engineering Intern (NIPCO Oil & Gas, 2018)
- Conducted electrical maintenance and troubleshooting.
- Managed Grid $\leftrightarrow$ Generator power switching.
- Improved uptime by optimizing faulty components.

EDUCATION

B.Eng, Electrical/Electronic Engineering – Federal University of Technology, Minna, Niger State, Nigeria (2014 – 2018)

CERTIFICATIONS

- Complete Agentic AI Engineering – Ligency Team (2025)
- Hugging Face Bootcamp – Pierian Training (2025)
- Complete SQL and Databases Bootcamp – ZTM Academy (2025)
- Data Science & Artificial Intelligence Engineering – Udemy (2020–2021)
- Health and Safety Executive (HSE123) – Novelle Center, Lagos (2021)
- National Youth Service Corps (NYSC, 2020)

SKILLS

Data Science & AI: Python, TensorFlow, Hugging Face, Pandas, NumPy, Scikit-learn, NLP, Predictive Modeling, Data Visualization
Databases: SQL, Relational Database Design, Data Analytics
Engineering: Electrical Troubleshooting, Power Systems Maintenance, Infrastructure Project Management
Tools: Jupyter Notebook, Google Colab, GitHub, Kaggle, Replit
Soft Skills: Problem-Solving, Collaboration, Continuous Learning

PROJECTS (Featured)

GitHub Portfolio Projects (github.com/yomex139)
- Engage-AI → Chat app built with Gradio, OpenAI API, and Gemini API.
- MyChatbot → Lightweight chatbot with Gradio + Microsoft's Phi-3-mini model.
- Question-Answering App → Hugging Face + Gradio app for context-based Q&A.;
- IMDB Sentiment App → Movie review sentiment classifier.

Other Projects
- BlogPost Website → Flask-based blog deployed on Render with PostgreSQL.
- House Price Prediction → Regression model with scikit-learn.
- Rock-Paper-Scissors AI → Game using transfer learning with TensorFlow.
- Disease Detection Models → Cassava & Beans disease classification.

INTERESTS

Large Language Models (LLMs) & Agentic AI
Chatbots & NLP Applications
SQL Databases & Data Pipelines
AI for Agriculture & Business Intelligence