Adejumobi Daniel Tobi

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Profile Summary

Self-driven and passionate AI engineer, who excel at building ML and NLP models.

Proficient in Python and experienced with frameworks like PyTorch and Hugging Face. Skilled in deploying AI models for text analytics and classification tasks and eagerness to leverage my skills in a high-impact environment.

Technical Skills

- Programming Languages: Python, SQL
- Frameworks and Libraries: PyTorch, Hugging Face, NumPy, Pandas, Scikit-learn
- AI/ML Expertise: Supervised & Unsupervised Learning, NLP, Deep Learning (RNN, GRU, LSTM, BERT, GPT's)
- NLP Skills: Text Classification, Sentiment Analysis, Named Entity Recognition
- Generative AI & LLMs: LangChain, RAG, OpenAI, LlamaIndex
- Tools & Platforms: Vector DB
- Data Analysis & Visualisation: Seaborn, Matplotlib

Competiton & Achivements

Zindi - Swahili News Classification (NLP) Competition (3nd Place)

- Implemented a text classification model via hugging face for accurate news categorization.
- Demonstrated expertise in NLP and achieved top-ranking performance.

Zindi - IndabaXNigeria

- Exchange Rate Forecasting Challenge Competition (3rd Place)
- Used ARIMA model to forecast the Naira price

Experience

Heckerbella | Victoria Island, Lagos
AI Developer Intern | 05/2024
My responsibilities

- Learning about Linear Algebra, Calculus, Probability and Statistics.
- Weekly AI series presentation.
- Paper reading: Recurrent neural network, transformers and Bert architecture.

ML collective
Independent Reseacher | 01/2024

- Conducted research and participated in discussions on trending ML topics, focusing on paper readings and knowledge sharing.

Project

Sentiment Analysis on Amazon Reviews

Sentiment Analysis on Amazon Reviews

- Built and fine-tuned a BERT model for sentiment analysis using Hugging Face, achieving over 90% classification accuracy.
- Performed exploratory data analysis and visualisation to uncover key insights.
- Libraries: Transformers, Scikit-learn, Pandas | Framework: PyTorch

Recurrent Neural Network

- Developed models using Vanilla RNN, GRU, and LSTM architectures for sequence modelling on tabular datasets.

Customer Churn Modeling

- Built a classification model to predict customer churn based on bank account attributes.
- Utilized libraries such as scikit-learn, pandas, seaborn, and matplotlib for data analysis and visualization.

Current Project:
- Building Retrieval Augmented Generation from scratch, using python and pytorch

Certificates

Udacity programming for data science with python (nano degree)

Education

Ibadan City Polytechnic | Ibadan, Oyo
Computer Science | 03/2024

Community

Data Community Africa

Volunteering
- April 2022 - Present.

Portfolio

Github Linkedin Twitter