Redeemer Salami Okekale

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Objective

Innovative and results-driven AI engineer with over 4 years of experience in designing, developing, and optimizing AI models seeking an opportunity to expand knowledge in the field of artificial intelligence.

Professional Experience

Really Great Tech   **Feb - Present**

AI Engineer

- Innovated in the design and development of applications powered by Retrieval-Augmented Generation (RAG) for Large Language Models (LLMs) powered solutions.
- Expertly provisioned and managed cloud resources for machine learning projects using Vertex AI, optimizing performance and scalability while ensuring cost-effectiveness.
- Spearheaded the end-to-end design and implementation of a data pipeline for a critical service, enhancing data flow efficiency and supporting advanced analytics and machine learning applications.

Digiits Agency   **Sept 2023 - Feb 2024**

AI Engineer - Contract

- Participated in collaborative projects to explore the application of AI in solving complex problems in sectors such as healthcare and business.
- Worked on enhancing the startup's chatbot technology using NLP and AI generative models, achieving a 35% improvement in user interaction and satisfaction.
- Initiated a company-wide knowledge-sharing program on AI trends and technologies, fostering a culture of continuous learning and innovation.
- Provided technical mentorship to interns, guiding them through machine learning project lifecycles and best practices.

Beron Intelligence   **Dec 2021 – Jun 2023**

Python Developer

- Collaborated with team members to reduce application downtime by 20% by quickly identifying and resolving critical bugs.
- Assisted in debugging and resolving software issues reported by users, working closely with the team to track down and fix bugs in Python code.
- Led a project to research and design an advanced information and communication system network, successfully developing a robust network architecture that increased system efficiency by 30%.

Yeri Agency   **Dec 2020 – Jul 2021**

Python Programming Instructor

- Provided personalized guidance and support to students, offering individualized assistance to address their unique learning needs and challenges.
- Monitored and assessed student progress, providing constructive feedback, and implementing strategies for continuous improvement.

- Designed interactive and hands-on coding exercises, projects, and assignments to reinforce learning and practical application of Python programming.
- Applied domain knowledge and contextual understanding to frame data analysis and machine learning approaches specific to domain knowledge of the students.

Plas-AI – Capstone Project   Apr 2020 - Jul 2020
Machine Learning Engineer

- Applied domain knowledge and contextual understanding to frame data analysis and machine learning approaches specific to domain knowledge of the students.
- Spearheaded a deep learning project focused on malaria diagnosis, utilizing slide images to predict the presence or absence of malaria.
- Developed and implemented a convolutional neural network (CNN) architecture using Python and TensorFlow.
- Demonstrated strong project management skills by effectively planning and executing all stages of the project, from data preprocessing to model deployment.

Education

University of Health and Allied Sciences   Sep 2016 – Nov 2020
Medical Laboratory Science, BSc
CGPA*: 3.09/4.00*

Certifications

AI for Medical Diagnosis| DeepLearning.AI **Nov 2023**
Key skills: Model Evaluation, Computer Vision
Computer Vision| Google Cloud **Oct 2023**
Key skills: Keras, DNN, CNN, PyTorch, Transfer Learning
Recommendation Systems| Google Cloud **Oct 2023**
Key skills: Tensorflow, Vertex AI, Recommendation Systems Design
Google Project Management |Coursera, **Jul 2023**
Key skills: Project Management, Risk management
Machine Learning Operations (MLOps) | DeepLearning.AI, **Jul 2023**
Key skills: Model performance evaluation and deployment, CI/CD, Python programming
Mathematics for Machine Learning and Data Science | DeepLearning.AI, **Jun 2023**
Key skills: Linear Algebra, Calculus, Statistics and Probability
Google Cybersecurity Certificate |Coursera, **Jun 2023**
Key skills: Managing Security Risk, Linux and SQL, Network and Network Security

Invited Talks

Deep Learning Indaba   Sept. 2023
Industry Project Demo – Nahara (AI SaaS for Clinicians)
Python Conference Ghana (PyCon)   Oct. 2022
Topic: The fastest way to build an accurate ML model

Volunteering

DeepLearning.AI, California USA   **Jun. 2023**
Content Reviewer
Python Conference Ghana (PyCon)   **Oct. 2022**
Health Team Lead

Awards and Honors

Google Africa Developers Scholarship   **Jan. 2021**
AI Capstone Project: Ranked 8th position in Africa - [Link]

Halcyon Flagship Residential Fellowship, USA   **Oct. 2022**
Semi-finalist (Project lead)

Skills

Advance proficiency in MS Office Suite, Python, Power BI, SQL, Data Analysis, APIs, GCP, Jira, Slack, GCP, Git, MySQL, Postgres, Keras, Tensorflow, PyTorch, NumPy,
Efficient communication, prioritizing, active listening, learning agility, creative problem solving, collaboration, and positivity.

References

Emmanuel A. Asiamah
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