Ridhin Issac Abraham

MSc. Artificial Intelligence & Machine Learning

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🐙 https://github.com/issacabraham-git   in www.linkedin.com/in/ridhinissacabraham

Summary

Passionate AI / ML enthusiast seeking opportunities in impactful AI/ML based projects, available immediately.

Skills

Languages & Tools:
Python, SQL, Shell, GitHub

AI/ML Frameworks:
TensorFlow, Scikit-Learn, OpenCV, NLTK, Pandas

ML/DL Techniques:
CNN, RNN, Neural Networks, Transformers, NLP, Computer Vision, LLM

Development & Cloud:
Flask, Next.js, Android Studio, Tableau, GCP, Firebase, AWS

Education

Master of Science in Artificial Intelligence and Machine Learning
CHRIST (Deemed to be University)
Jul 2023 - May 2025, Karnataka, IN

Bachelor of Computer Applications
Srinivas Institute of Technology
Jul 2020 - Jun 2023, Karnataka, IN

Soft Skills

Proactive, Autonomous, Team player

Certifications

- Introduction to Cloud Computing, IBM
- AWS Cloud Practitioner, Udemy
- NO-code Machine Learning and Generative AI on AWS
- Cybersecurity Analyst, TATA
- Introduction to Prompt Engineering for Generative AI

PROJECTS

CloudCraft Organizer   2024

- Designed a scalable cloud file management platform with real-time synchronization using Firebase, enabling secure file upload, preview, and categorization.

- Implemented NextAuth for authentication and authorization, ensuring robust access control and user security.

AI-Driven Fashion Recommendation System   2024

- Developed a deep learning-powered recommendation model, integrating BERT for text processing and ResNet/VGG for image analysis to enhance product recommendations.

- Deployed the system, significantly improving personalized shopping experiences and e-commerce conversion rates.

Voice-Based Stress Detection App   2024

- Built a speech emotion recognition system utilizing MFCC features and the RAVDESS dataset, enabling real-time stress detection.

- Developed an interactive Streamlit dashboard, allowing users to analyze stress levels through voice input.

Currency Exchange Rate Prediction   2023

- Engineered a predictive machine learning model (KNN) to forecast Pakistan's currency exchange rates with a 96.54% accuracy, aiding financial decision-making.

- Conducted extensive data preprocessing, feature selection, and model visualization for better interpretability.

ChatMate Android Chat Application   2023

- Developed a real-time chat app with Firebase for messaging and secure login.

- Created a responsive UI in Flutter for seamless multi-device experience.

ACHIEVEMENTS

- Gold Medalist in Undergraduate Studies for academic excellence

- Presented a paper titled "Predictive Modeling of Flight Delays: A Comparative Analysis of Machine Learning Approaches" at a National Conference

- Core Lead in Kotlin Development at Google Developer Student Club