

Ridhin Issac Abraham

Passionate AI/ML Professional

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Summary

Machine Learning and AI specialist seeking opportunities in AI/ML-driven roles like Data Scientist, Machine Learning Engineer, or related positions. Passionate about contributing to impactful projects and available immediately.

Skills

Languages & Tools: Python, SQL, Shell, GitHub AI/ML Frameworks: TensorFlow, Scikit-Learn, OpenCV, NLTK, PandasML/DL Techniques: CNN, RNN, Neural Networks, Transformers, NLP, Computer Vision, LLMDevelopment & 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

BCA Cloud Computing and Information Security
Srinivas Institute of Technology
Jul 2020 - Jun 2023

Soft Skills

Communication, Teamwork, Problem-Solving, Leadership, Time Management, Fast Learner

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% R^2 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