Ridhin Issac Abraham

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EDUCATION

CHRIST (Deemed to be University) — Bangalore, Karnataka
Master of Science in Artificial Intelligence and Machine Learning, 72.45% — *July 2023 – Present*

Srinivas University — Mangalore, Karnataka
Bachelor of Computer Application in Cloud Computing and Information Security, 91% — *July 2020 – June 2023*

PROJECTS

CloudCraft Organizer | *Next.js, React, Tailwind CSS, Firebase, NextAuth*
- Built a cloud-based file management system enabling file upload, preview, and categorization with Firebase for real-time sync.
- Implemented secure authentication and authorization using NextAuth.

Fashion Product Recommendation using Multimodal Data | *Python, TensorFlow, NLP, CNNs*
- Developed a deep learning-based fashion recommendation system by fusing text (BERT) and image (ResNet, VGG) features.
- Deployed the model, improving e-commerce user engagement and sales.

Stress Detection from Speech | *Python, Streamlit, Random Forest, SVM, XGBoost*
- Built a speech-based stress detection app using MFCC features and the RAVDESS dataset.
- Developed a Streamlit app for real-time stress prediction from user audio.

Currency Exchange Rate Prediction | *Python, Machine Learning, Decision Tree, Random Forest, KNN*
- Designed a system predicting Pakistan's currency rates with 96.54% R^2 accuracy using KNN.
- Preprocessed data, engineered features, and visualized model predictions.

ChatMate Android Chat Application | *Flutter, Firebase, Cloud Firestore, Android Studio*
- 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

CERTIFICATIONS

Introduction to Cloud Computing, IBM — August 2022
Developed an understanding of cloud computing concepts, deployment models, and services.

Ultimate AWS Certified Cloud Practitioner, Udemy — March 2022
Gained foundational knowledge in AWS cloud services and best practices.

TECHNICAL SKILLS

Machine Learning, Python, SQL, NLP, TensorFlow, Scikit-learn, Flutter, Tableau, Android Studio, Next.js, Firebase, Amazon Web Services, MySQL, HTML5, GCP, Visual Basics, Wireshark, VMware ESXi, REST API

SOFT SKILLS

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