

Deyon Rose Babu Thomas

Passionate AI ML Professional

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Summary

Machine Learning and AI professional looking for opportunities in Data Science, Machine Learning and similar roles. Committed to delivering impactful solutions and ready to contribute immediately

Skills

Languages & Tools: Python, SQL, MATLAB, Visual Basics, GitHub

ML Frameworks: TensorFlow, Pandas, OpenCV, Scikit-Learn, NLTK, CV

ML/DL Techniques: CNN, RNN, LLM, Neural Network, Transformers, NLP

Development & Cloud: Next.js, AWS, Tableau, Firebase, AndroidStudio, GCP

Education

Master of Science in Artificial Intelligence and Machine Learning
CHRIST (Deemed to be University)
Jul 2023 - Present

BSc Computer science, Mathematics, Electronics
Kristu Jayanti College
Jul 2020 - Jun 2023

Soft Skills

Leadership, Quick Learner, Problem solving, Teamwork

Certifications

- Oracle Cloud Infrastructure Foundations
- Cybersecurity Fundamentals IBM
- 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.

Smart Irrigation using IoT 2023

- Developed an automated irrigation system with sensors and remote monitoring via the Blynk app.
- Integrated cloud storage for logging soil and weather data, enhancing irrigation efficiency.

ACHIEVEMENTS

- Presented a paper titled "Therm AI: Exploring Temperature Analysis through Diverse Machine Learning Models" at an International Conference.
- Secured First Rank in my UG for BSc Computer science, Mathematics, Electronics
- Secured 1st prize for "ELECTREUM-SYNCHRONIZE'21" and Event Head for Intra collegiate IT fest conducted by Kristu Jayanti College