RAHUL RAJA

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SUMMARY

Diligent student on the hunt for a job! Eager to channel my skills and enthusiasm into advancing a company's mission. Technologically adept with a positive attitude, strong work ethic, and a deep motivation to learn new tools and programs. I'm currently seeking an internship opportunity where I can grow professionally and contribute meaningfully.

SKILLS

Languages: Python, JavaScript, Java, C++
Frameworks: MERN Stack, TensorFlow, Keras, Scikit-learn, Gradio
Tools: Jupyter Notebook, Google Colab, Kaggle, VS Code, Git, Eclipse, IntelliJ, NetBeans
Platforms: GitHub, Hugging Face, Kaggle
ML Skills: Supervised Learning, Transfer Learning, Data Augmentation, Model Deployment
Core CS: OOP, DSA
Soft Skills: Problem Solving, Public Speaking, Team Collaboration

EDUCATION

Bachelor of Computer Science
Sukkur IBA University Sukkur | 2022 - 2026 (Expected)
- CGPA: 3.30/4.0

PROJECTS

Skin Lesion Classifier (2025)
- Designed and trained a ResNet50-based deep learning model on the HAM10000 dataset to classify skin lesions into seven categories using TensorFlow and Keras.
- Enhanced model performance through data augmentation, batch normalization, and transfer learning, achieving improved accuracy and reduced overfitting.
- Deployed the solution as a Gradio web application for real-time, image-based diagnosis and predictions.

Quiz Flashcards App (2024)
- Engineered a full-stack MERN web application with multi-page navigation, offering interactive quiz and flashcard learning modes.
- Integrated topic selection, secure user authentication, and progress tracking features backed by MongoDB for persistent data storage.
- Architected for scalability with planned modules including user leaderboards and performance analytics.

Book Store App (2023)
- Developed a comprehensive inventory management system utilizing Java, MySQL, DBMS principles, and core data structures.
- Implemented user and admin modules supporting book browsing, purchasing, stock updates, and order management.
- Designed an intuitive desktop GUI with Java Swing to deliver an efficient and user-friendly experience.

Chatbot (2022)
- Built an AI-powered chatbot leveraging OpenAI's API, integrated with a robust Java backend for seamless conversational experiences.
- Connected to a MySQL database for dynamic, real-time user data storage and retrieval.
- Delivered personalized, intelligent responses to improve user engagement and satisfaction.