KARTIK BALAJI

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B.Tech, Computer Science and Engineering - Big Data Analytics
Address : s-block hostel SRMIST trichy

Education

SRM Institute of Science and Technology	2027
B.Tech · Computer Science and Engineering - Big Data Analytics	CGPA - 9.81/10
St. Andrews High School	2023
Class XII - CBSE · mpc · Bowenpally Hyderabad	Percentage - 93%
St. Andrews High School	2021
Class X - CBSE · mbpc · Bowenpally hyderabad	Percentage - 86%

Experience

Instamojo .... Jun 2024 - Sep 2024
Data Scientist · Intern · Part-Time

Worked with data visualization tools along with a team, performed tasks using PowerBI to help in the analysis of data

Projects

Expense Automation Web App .... May 2024 - Jun 2024
· React, UI/UX, JavaScript, google API's .... Optical Character Recognition

- **Developed a React-based web application** that utilizes **Tesseract OCR** to scan and extract text from bill receipts in real-time.
- **Integrated Google Docs and Sheets APIs** to automatically upload and organize parsed data in a **centralized cloud-based system**.
- **Digitized and streamlined bill processing** for an NGO, resulting in a **80% improvement in accounting efficiency** and a significant reduction in manual data entry errors.

AI-Powered Museum Ticket Booking System .... Feb 2025 - Feb 2025
· Python, AI/ML, Natural Language Processing (NLP), Chatbot Development, UI/UX .... Artificial Intelligence
Design

- Developed an **AI-driven museum ticket booking platform** with a **GPT-powered chatbot** for real-time customer support and query handling.
- Engineered a **seamless ticket reservation system**, integrating **conversational AI** to enhance user experience and automate responses.
- Designed an **intuitive UI** to streamline the booking process and improve accessibility for users.

Query based Course Selection for University Management System .... May 2025 - Jun 2025
· React, Spring Boot, MongoDB, SQL, AI/ML, Natural Language Processing (NLP) .... Web-Dev, AI/ML

- Engineered a full-stack University Management System with a React-hosted frontend and a Spring Boot backend, integrating MongoDB & SQL for efficient data management.
- Developed an AI-powered course selection assistant, leveraging NLP and machine learning to provide personalized course recommendations based on student responses to a query-based survey.
- Designed a seamless and interactive user interface, optimizing the student experience in course selection and university administration.

Anemia Detection App .... Jun 2025 - Jul 2025
· Python, React, TensorFlow, OpenCV .... Machine Learning, Healthcare

- Developed a **locally runnable CNN ML trained model** Anemia Detection App, engineered to assess an individual's vulnerability to anemia.
- Leveraged **TensorFlow** for efficient on-device model inference and **OpenCV** for image processing of conjunctival pallor detection, enabling early detection of this potentially fatal disease.
- Designed a user-friendly interface using **React Native** to facilitate seamless data input and clear presentation of vulnerability assessments, empowering proactive health management.

Skills

Programming Languages: C/C++, JAVA, Node.js, Python, React.js
Domain Knowledge: MySQL, SQL, MongoDB, AWS, Azure, GCP
Languages and Frameworks: HTML5, CSS3, React JS, Django, Bootstrap, TensorFlow, Keras, Scikit-learn, Pandas, NumPy
Design and Simulation Tools: Power BI, Matplotlib, Seaborn, Hadoop
Tools and Technologies: Docker, Git, GitHub, Hadoop

Certifications

Java Full Stack Web Development   Dec 2024
EduSkills Academy

AWS Academy Graduate - AWS Academy Cloud Foundations | Link   Jan 2025
Amazon

Android Developer Virtual Internship   Sep 2024
Google