



Charan Gutti (He/Him)

Student at ICFAI / Full Stack Developer

← Projects


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AI-Powered Family Health & Medicine Vault App (Flutter + PostgreSQL)

May 2025 - Present

A full-stack mobile application that helps users and their families manage medicines, track health metrics, and stay on top of their wellness. Users can scan medicine packages to extract details, receive AI-generated explanations, set smart reminders, and share vault access with family members securely.

Skills: Flutter · Dart · PostgreSQL · Firebase ML · Tesseract OCR · Hugging face Transformers · Supabase · REST APIs




GitHub - g-charan/Medical_Assistant_App: Helps you with medical information and vault management

AI-Powered Personal Finance Tracker - Intelligent Financial Management Platform

Jun 2024 - Present

Spearheaded development of an intelligent personal finance platform combining Next.js frontend optimization with Flask backend and MySQL, featuring lazy loading, clean UI/UX design, and comprehensive performance monitoring for superior user experience. Built ML-ready RESTful APIs with Docker containerization following MLOps principles, creating a scalable foundation for future AI-powered spending pattern analysis while delivering automated transaction categorization, real-time financial analytics, and secure data handling that revolutionizes personal finance management.

Skills: MLOps · Next.js · Flask · Supabase · UI/UX · FinTech



Charan Gutti / AIFinanceTracker · GitLab


Other contributors

Portfolio Website

Aug 2023 - Present

I wanted to showcase my web development skills and I thought that Portfolio website would be the best solution for that. I have developed this from scratch and I have integrated many advanced animations and simple backend operation


Skills: HTML · Cascading Style Sheets (CSS) · JavaScript · React.js



Charan's Portfolio
Here is my First Portfolio Website

DeFree - Decentralized Freelancing Platform - Web3 & Blockchain Solution

Feb 2025 - Apr 2025

 Associated with ICFAI Foundation for Higher Education, Hyderabad

Pioneered the development of DeFree, a revolutionary decentralized freelancing platform that eliminates traditional intermediaries by leveraging blockchain technology, built with React frontend and Solidity smart contracts deployed using Hardhat framework with MetaMask wallet integration.

Engineered secure, trustless transactions between freelancers and clients through smart contract automation, enabling direct peer-to-peer payments, escrow services, and dispute resolution on the blockchain while delivering an intuitive user experience that bridges the gap between complex Web3 technology and mainstream freelancing needs, showcasing expertise in emerging blockchain development and decentralized application architecture.

Skills: Smart Contracts · Solidity · React.js · Hardhat · MetaMask · Decentralized Applications (DApps) · Decentralized Finance(DeFi)



GitHub - g-charan/Defree

AI-Powered Vehicle Detection System - YOLO & MLOps Traffic Management Solution

Sep 2024 - Oct 2024

Developed a high-performance vehicle detection model achieving 90%+ accuracy using YOLO architecture for intelligent traffic management systems, implementing end-to-end MLOps pipelines with ZenML for automated model training, validation, and deployment while leveraging MLflow for comprehensive experiment tracking and production model management. Engineered a robust, scalable machine learning infrastructure that transforms raw traffic data into actionable insights for smart city applications, demonstrating expertise in computer vision, production-grade ML systems, and automated deployment pipelines that bridge the gap between research and real-world traffic optimization solutions.

Skills: YOLO · Computer Vision · Python · Machine Learning · Deep Learning · ZenML · MLflow · MLOps · Model Deployment · Production ML · TensorFlow · Data Pipelines · CI/CD for ML · Model Monitoring · Object Detection



GitHub - g-charan/Vehicle-detection-YOLO-mlops


Point-of-Sale Transaction Recording System - Full-Stack Retail Management Solution

Apr 2024 - Jul 2024

 Associated with ICFAI Foundation for Higher Education, Hyderabad


Led the complete development of an enterprise-ready POS application for retail environments like supermarkets, architecting a full-stack solution using React, Python Flask, and MySQL that handles real-time product management and automated tax calculations. Engineered secure RESTful APIs for seamless data management while directing a team of 2 backend developers, successfully delivering a production-ready system that streamlines inventory tracking, eliminates manual billing errors, and supports high-volume retail operations with focus on accuracy and speed.

Skills: React.js · MySQL · Flask · JavaScript



GitHub - g-charan/Transaction_Recording

Other contributors



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Student at ICFAI University | Aspiring Software Developer & UI/UX Designer |

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