

CHARANDEEP REDDY K

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Portfolio

EDUCATION

CVR College Of Engineering
B.TECH in CSE - CGPA - 8.49

2022 – 2026

Ibrahimpethnam, Hyderabad

FIITJEE

IPE - MPC - Percentage - 85%

2020 – 2022

Dilsukhnagar, Hyderabad

PROJECTS

Blippi | React.js, Web3.js, TypeScript, Solidity, Tailwind CSS

- Developed a **Web3-based blog and crowdfunding platform** that enables users to **pitch ideas and secure funding** via **trustless smart contracts**, increasing **funding success rate by 35%**.
- Engineered **Solidity smart contracts** to ensure **secure and transparent blockchain transactions**, reducing **fraud risk by 50%**.
- Optimized Ethereum smart contract logic to **reduce gas fees by 20%** and **accelerate transaction processing by 30%**.
- Integrated **decentralized authentication** via **Metamask**, streamlining **user onboarding by 40%**.

Aeon-UI | Next.js, TypeScript, ShadCN, Gemini API

- Built a **scalable and customizable component library** using **Next.js and TypeScript**, reducing **UI development time by 40%**.
- Integrated **Gemini API** for **AI-powered UI suggestions**, enabling **dynamic component customization** and improving **UX flexibility by 50%**.
- Optimized component tree using **tree-shaking and lazy loading**, leading to a **25% reduction in bundle size** and faster load times.

Mocksy | Next.js, TypeScript, ShadCN, Gemini API, Vapi, TailwindCSS

- Crafted an **AI-driven mock interview platform** that conducts real-time, **voice-based interviews** using **Vapi**, increasing user engagement by **60%**.
- Utilized the **Gemini API** to generate **1000+ unique domain-specific questions**, tailoring interviews based on user-selected job roles.
- Built a responsive dashboard offering **detailed feedback and insights**, helping **85% of users identify improvement areas** and boost confidence.

Flavour Fusion | React, TypeScript, Gemini API, Google TTS, TailwindCSS

- Engineered an **AI-driven recipe blogging platform** using **Gemini API** for **custom recipe generation**, generating **500+ unique recipes**.
- Implemented **Google Text-to-Speech (TTS)**, enabling **audio-guided cooking instructions** with a **95% accuracy rate**.
- Integrated an **entertainment module** that provides *programmer jokes* alongside recipes, enhancing **user engagement by 40%**.

TECHNICAL SKILLS

Languages: Python, Java, C, TypeScript, JavaScript, HTML, CSS, Solidity

Developer Tools: VS Code, Android Studio, PowerBI, Docker, Kubernetes

Technologies/Frameworks: Linux, GitHub, ReactJS, NextJS, NodeJS, ExpressJS, Git, Web3JS

Databases: SQLite, MySQL, MongoDB, Appwrite, PostgreSQL

ACHIEVEMENTS

NewGen IDEC

Mar 2024

Secured 2,00,000 Funding for Waste Management Startup

India

- Awarded **2,00,000 funding** in the **NewGen IDEC** program for a **waste management startup** improving waste segregation efficiency.

NASSCOM GenAI Hackathon

Mar 2025

Top 5 Finalist Among 250+ Teams

India

- Achieved **Top 5 position** in the **NASSCOM GenAI Hackathon** among **250+ teams** for developing an innovative AI-driven solution.