

Manepalli Hari

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EDUCATION

Indian Institute of Technology, Jodhpur
Bachelor of Technology, Computer Science & Engineering
Sri Chaitanya Junior College
Higher Secondary Education (PCM)

Jodhpur, Rajasthan
July 2019 - May 2023
Hyderabad, Telangana
April 2017 - March 2019

TECHNICAL SKILLS

Courses: Data Structures & Algorithms, OOPS, Operating Systems, Database Management Systems, Introduction to Blockchain, REST APIs, Design and Analysis of Algorithms, Cryptography

Programming Languages: C, C++, JavaScript, TypeScript, Solidity, Java, Python

Technologies: Express, React, NodeJs, NextJs, MongoDB, Postgres, WebSockets, Turborepo, Git, Docker, K8s, ArgoCD, Client Side Ethereum, Client Side Solana, Eth Smart Contracts, SpringBoot, LLMs(OpenAI, Gemini), GenAI

WORK EXPERIENCE

Imobile Application — ICICI Bank

Software Developer | Hyderabad

June 2023 - Present

- Contributed as a Software Developer on the **iMobile app**, working across 2 modules (**All Support and Services**).
- Fetch User Bank Accounts Details in Non Logged-In Flow:** Optimized a secure flow to retrieve user account details(4-5 parameters) by mapping the deviceId to the corresponding userId from the database, and then generating a backend token using the pre-login token and userId to securely fetch the account information.
- Microservices Development:** Built and enhanced business logic for **50+ APIs** across **servicepayrqst, producthelpaccount, and servicehelpcommon** microservices, used in critical banking workflows.
- Containerized and deployed 3 microservices using **Docker and Kubernetes**, improving scalability and operational efficiency.
- Designed and implemented **20+ screens** in the iMobile app using **React Native**, including callback-based communication between two independent applications.
- Tech Stack:** SpringBoot, Docker, Kubernetes, React Native, MySQL

PROJECTS

Multi-document RAG-based AI assistant | [Live Demo](#)

Full Stack Project + GenAI | [GitHub](#)

March 2026

- Implemented real-time streaming responses with a ChatGPT-like chat UI, handling token-by-token updates for a smooth user experience.
- Added document-level filtering and page-level citations to improve retrieval accuracy and provide transparent, source-backed answers.
- Designed and deployed a full-stack application using Next.js (frontend) and Node.js/Express (backend).
- Identified and resolved concurrency issues in streaming responses to ensure data integrity during high-load interactions.
- Tech Stack:** NextJs, ExpressJs, VectorDB (Qdrant), OpenAI API, LangChain

Excalidraw

Full Stack Project

January 2025

- Made a real-time collaborative drawing tool enabling users to draw, annotate, and interact with shared content simultaneously.
- Delivered live synchronization using **WebSockets**, ensuring instant multi-user updates with minimal latency.
- Custom shapes are drawn from scratch using **HTML5 Canvas** to deliver a fast and responsive drawing experience.
- Adopted a **monorepo architecture**, consolidating frontend and backend into 1 repository for better code management.
- Tech Stack:** Turborepo, NextJs, Express, WebSockets, Postgres

Real Time Chat Application

Full Stack Project

November 2024

- Developed a real-time chat application that pairs 2 users based on shared interests, delivering an Omegle-like experience.
- Executed a stateful **WebSocket** layer to maintain 2 user sessions and persistent communication.
- Enforced a strict **2-user-per-room** model to ensure one-on-one interaction.
- Tech Stack:** React, WebSockets, Express

Web Crawler Rag

GenAI Project

April 2025

- Created a basic RAG (Retrieval-Augmented Generation) application that crawls and extracts content from 3 websites.
- Processed the extracted content by splitting it into smaller chunks and generating vector embeddings for each chunk.
- Handled user queries by matching their embeddings with the stored vectors to retrieve and return the most relevant information.

ACHIEVEMENTS

- Attained **5092th rank** in JEE Mains, January 2019.
- Achieved **6083th rank** in JEE Advanced, May 2019.
- Secured **AIR 8th** in Australian Chemistry Olympiad -2017