Manu Madhu

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EDUCATION

TocH Institute Of Science And Technology   Arakkunnam
Bachelor of Technology Computer Science   *May 2023 – May 2027*

PROJECTS

Fully Functional Ecommerce| *Node, Express,hbs engine, MongoDB, rest api's*

•ShoeXshops is a fully functional e-commerce website for shoes, built with Node.js and MongoDB, hosted on AWS EC2 with Nginx for scalability.

Key Features

•User Side: Secure login with OTP, profile management, dynamic homepage, product search and filters, cart and wishlist management, coupons, order tracking, and multiple payment options (Razorpay, PayPal, COD).

•Admin Side: Dashboard for user, product, and order management, offer and coupon management, and widget customization with banners and sliders.

•Built with responsive design and AJAX, ShoeXshops provides a seamless shopping experience.

Realtime-chat-app | *Mern*

• A real-time chat application built with the MERN stack, featuring instant messaging using Socket.IO and peer-to-peer video calls with WebRTC Peer.js. Includes user authentication (login, sign-up, session management) and a responsive design for cross-platform use. Scalable and efficient, with plans for future enhancements like file and screen sharing..

Audio-scrapper | *Django React*

• A music streaming and playlist management system built with Django, React, and the Spotify API. Features include real-time playlist sharing, exporting playlists as CSV files, and downloading songs from YouTube using a Python library. Combines modern web technologies for an innovative music experience.

LAM Question Paper Assistent| *Langchain,Fastapi,streamlit,python*

• A Language Model Application (LAM) built with LangChain, OpenRouter, and FastAPI, enabling users to query and update CSV data using natural language. Features include secure operations and seamless data processing powered by Pandas and Generative AI.

Rag with Hybrid Search|Langchain,pinecone,python

• Rag with hybridsearch using pincone vector database it is using normal embedding and also sparse matrix

Email And Calender with LAM|Langchain,Fastapi,streamlit,python

•Email with calender using agent it can take action based on user simble query it will mark the calender and send confirmation Mails also using gemma with together ai as llm model

Movie Recommendation system|Ml,python

•Ml movie recommendation system based on the query finding the most related other movies using machine learning algorithms

Advanced ChatBot|Langchain,python,fastapi

•advanced chat bot using langchain and hugginface opensource models and memory component in langchain

Multipdf Rag,ResumeBuilder,ImageAnalyser etc...

TECHNICAL SKILLS

Languages: Javascript, Html, Css,python,java
Frameworks: React, Nodejs, Express js,django,langchain
Developer Tools: Git, VS Code,Docker
Cloud Technologies: S3, EC2
Ai Technologies:ml,dl,genai,NLP