

KRISHNA BHAGAVANKARRI

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Career Objective

Aspiring software developer focused on building robust, maintainable software Applications.

Technical Skills

Web Technologies — HTML5, CSS, JavaScript, Express JS, NodeJS, ReactJS, Tailwind CSS

Databases — MySQL, MongoDB

Python Frameworks and Libraries — LangChain, LangGraph, LangSmith, Flask, fastapi, Playwright

Software Tools — Git, Docker, Linux, Supabase

Skills — Full Stack Web Development, Generative AI, Agentic AI, Web Automation

Projects

- **Intelligent Query & Reasoning System (IQRS) [Link]**

Developed an **AI-powered platform** using **LangGraph, RAG, and LLMs** to answer complex queries from **multi-format documents** (PDF, DOCX, PPTX, images via OCR). **Integrated autonomous agent** workflows for API/web interaction, **adaptive reasoning**, and scalable **Fast API** backend with **FAISS-based caching** and **pluggable model support** (OpenAI, NVIDIA, Hugging Face). Currently in works.

- **Multi-Modal AI Agent with Voice Assistance [Link]**

Developed an **AI-powered voice assistant** integrating **Groq, Gemini, and Faster Whisper** to process voice commands, **images (via screenshots and webcam)**, and **clipboard data**. Implemented **real-time speech-to-text, context-aware responses, and vision analysis** for enhanced user interactions. Designed a **dynamic workflow** using **LangGraph** with **memory management** for **coherent conversations**, enabling **multi-modal understanding** and intelligent function calls.

- **Mobster Merch – An Ecommerce Site [Link]**

Built a **production-ready, scalable e-commerce application** from the ground up with **React + TypeScript, Express.js, and MySQL**, featuring a **responsive storefront, secure JWT-based authentication, PhonePe payment integration**, and a comprehensive **admin dashboard for inventory, orders, and analytics**. Implemented **Redis caching, Cloudinary image storage, and Nginx-based deployment** on Ubuntu for high performance and reliability.

Tech Stack: React 18, TypeScript, Tailwind CSS, Express.js, Node.js, MySQL, Redis, Cloudinary, PM2, Nginx

Work Experience

- In-House Internship – Aditya University [Link]**

Developed a **rule-based** web application named “**Automated Reporting system**” to automate **College Report Generation** processes, streamlining **administrative workflows** and reducing manual effort. Collaborated with faculty to understand **reporting requirements** and implemented highly secured **Authentication system**.

Achievements

- Selected for Finals in Bajaj Hackrx 6.0 - A National level Indian Hackathon

Education

Aditya Engineering College (AEC), Surampalem

2022 –Present

- B. TECH, AIML | CGPA: 7.83

Vaishnavi Junior College, Tuni

2020 – 2022

- INTERMEDIATE (Class XII), 91%

Loyola E.M School, Tuni

2019 – 2020

- SSC (Class X), 95.83%