

# 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

<b>Aditya Engineering College (AEC), Surampalem</b>	<b>2022 –Present</b>
• B. TECH, AIML   CGPA: 7.83	
<b>Vaishnavi Junior College, Tuni</b>	<b>2020 – 2022</b>
• INTERMEDIATE (Class XII), 91%	
<b>Loyola E.M School, Tuni</b>	<b>2019 – 2020</b>
• SSC (Class X), 95.83%	