

Yash Pinjarkar

✉ yashpinjarkar2003@gmail.com | 🌐 Portfolio | 🐙 github.com/yashpinjarkar10 | 🌐 LinkedIn | 📄 LeetCode

Skills

Programming Languages: Python, C++

Machine Learning & AI: TensorFlow, scikit-learn, Transformers

Generative AI Frameworks: LangChain, LangGraph, LangSmith, Hugging Face, MCP

Database Management: MySQL, Supabase, Chroma DB, MongoDB

Backend Frameworks: FastAPI, Node.js, Express.js

Work Experience

Astryx AI, Bengaluru

Oct 2025 - Mar 2026

Software Engineer Intern

- **Implemented a backtesting engine** for options and cash strategies in Indian markets, generating 15+ KPIs and reducing manual analysis effort by 90%.
- **Designed** broker integration and trade execution microservices, enabling automated order placement.
- **Built** a real-time market data pipeline and WebSocket microservice handling 10k+ events/min for low-latency streaming.
- **Developed** scalable microservices architecture for trading workflows, improving system reliability and enabling seamless integration of AI-driven pipelines.
- **Technologies:** Python, TypeScript, Node.js, FastAPI, PostgreSQL, Supabase, WebSockets, SSE

Education

Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)

2022 – 2026

CGPA: 8.1/10

B.Tech, Computer Science and Engineering

Relevant Coursework: Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating System, Compiler Design

Projects

- **Cursor 2D Animation** [GitHub] [Live Demo]:
 - Built a LangGraph DAG to generate executable Manim code.
 - Implemented a RAG-grounded codegen + bounded auto-debug loop that uses documentation snippets and Manim render errors to produce a single corrective re-render..
 - Delivered a Next.js / TypeScript Manim Studio web editor to assemble rendered scenes into cohesive videos with minimal manual effort.
- **Trading Agent** [GitHub] [Live Demo]:
 - **Built** an AI-powered trading analysis system offering technical, fundamental, and sentiment evaluations across any stock, along with an AI trading assistant.
 - **Implemented** FastAPI backend 20+ technical indicators, valuation models, news sentiment scoring, TradingView chart integration, and REST endpoints for automated analysis.
 - **Delivered** a stable, production-ready platform producing unified analysis reports in around 6 seconds.
- **Chatbot-Web** [GitHub] [Live Demo]:
 - Developed a FastAPI-based chatbot with Retrieval-Augmented Generation (RAG) capabilities, integrating Google Generative AI models for embeddings and chat responses.
 - Implemented a Chroma vector database to store and retrieve chat history.
 - Deployed the chatbot on Hugging Face Spaces, utilizing FastAPI as the backend server.

Achievements & Certifications

- Solved 210+ LeetCode problems, demonstrating strong problem-solving skills and proficiency in algorithmic thinking.
- Certificate in Oracle Cloud Infrastructure, Applied AI: Hugging Face Transformers, Diffusion Models.