

# Pranav Chikte

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## SUMMARY

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Built and shipped 2 production AI products solo — LLM pipelines, async backends, full-stack deployments. Graduating May 2026, available immediately. Looking for an early-stage team where I can own backend systems and ship fast.

## TECHNICAL SKILLS

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**Languages:** Python, TypeScript, JavaScript

**Frameworks:** FastAPI, Flask, Next.js, React, SQLAlchemy 2.0, Celery, Tailwind CSS

**Databases:** PostgreSQL, MongoDB, Redis

**AI/ML:** Google Gemini API (2.5-flash, Pro), LLM integration, vector embeddings, async AI processing, prompt engineering

**DevOps:** Docker, Docker Compose, Railway, Vercel, CI/CD, Pytest

**Tools:** Git, JWT (PyJWT), REST APIs, Swagger/OpenAPI, Redis pub/sub, TMDB API

## PROJECTS

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**Finsight AI** | *Flask, MongoDB, Redis, Celery, Gemini API, Docker, Next.js, TypeScript* | [Live](#) | [Backend](#) | [Frontend](#)

- Engineered an async AI pipeline using Celery workers and Redis to offload Gemini 2.5-flash API calls from the main Flask request cycle — achieving 85–417ms API response times in production.
- Integrated Google Gemini API for natural language transaction parsing, auto-categorization, and personalized budget recommendations, eliminating manual data entry entirely.
- Implemented JWT authentication with Redis-based token blacklisting, securing all endpoints with stateless, revocable session management.
- Built a full-stack analytics dashboard in Next.js 16 + React 19 with Recharts; achieved 95+ Lighthouse performance score on the live frontend.
- Deployed end-to-end with CI/CD — backend on Railway, frontend on Vercel; documented all endpoints via Swagger/OpenAPI; covered core flows with Pytest unit and integration tests.

**CineScope** | *FastAPI, PostgreSQL, Redis, SQLAlchemy 2.0, Gemini Pro, Docker, Next.js* | [Live](#) | [Backend](#) | [Frontend](#)

- Designed a RESTful backend with FastAPI and SQLAlchemy 2.0 using versioned API routes, clean service layers, and Alembic-managed PostgreSQL migrations.
- Integrated Google Gemini Pro to power a conversational movie recommendation engine with in-memory vector embeddings for semantic search across the catalog.
- Reduced redundant TMDB API calls via Redis caching, cutting repeated external request overhead and delivering sub-millisecond responses for cached queries.
- Secured the platform with JWT refresh token rotation in Redis, enabling seamless session management without long-lived access tokens.
- Containerized the full stack with Docker and Docker Compose for reproducible local development and consistent production deployments.

## CERTIFICATIONS

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[CS50's Introduction to AI with Python](#) | *Harvard / edX*

[Supervised Machine Learning](#) | *Coursera*

[Machine Learning](#) | *IBM / edX*

## EDUCATION

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**P. R. Pote Patil College of Engineering and Management**

*B.E. in Artificial Intelligence and Data Science* | *CGPA: 8.0/10.0*

Amravati, MH

Nov. 2022 – May 2026

- Relevant Coursework: Data Structures & Algorithms, DBMS, Machine Learning, Software Engineering, Cloud Computing

**Jagruthi Vidyaalya Akola**

*Higher Secondary (12th), Computer Science*

Akola, MH

Mar. 2021 – Jul. 2022

**Gurukul Dnyanpeeth Telhara**

*Secondary Education (10th)*

Telhara, MH

Jun. 2010 – May 2020