Ganesh Kasture

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Skills

- Python | TypeScript | JavaScript | Java | SQL | LLMs | RAG | Agentic AI | Prompt engineering | LangChain | pgvector | Azure AI Search |
- LangFuse | FastAPI | Azure Foundry | AWS | Docker | REST APIs | Node.js | Express | NoSQL | React | Next.js | React Native | Expo |
- Tailwind | CI/CD | Git | Firebase | OOP | Unit testing | Full-stack | C# | English, Hindi, Marathi – All professional proficiency or above

Experience

AI Native Product Engineer — **Incerro AI** — **07/2026 – Present**

- Developed an **AI-powered RAG chatbot agent** to provide grounded responses from enterprise data, **orchestrating multiple tools with Odoo and Sanity integrations** to retrieve relevant information dynamically.
- Implemented **Azure AI Search** indexing to retrieve relevant enterprise data and minimize hallucinated responses.
- Engineered **agentic tool-calling workflows** to dynamically gather and synthesize data across multiple enterprise sources
- Developed the chatbot using **Next.js and API integrations**, optimizing response quality, token usage, and conversational UX.

Generative AI Engineer — **Harmony AI** — *Dr. DY Patil Vidyapeeth* — **08/2025 – 02/2026**

- A scalable AI music generation SaaS platform serving end-to-end workflows by integrating **Next.js, FastAPI, Modal GPU, and AWS S3**.
- Deployed a production-ready architecture with **Neon, AWS S3, and Modal**, ensuring scalability, fault tolerance, and cloud GPU processing.
- Integrated AI models including **ACE-Step (music), Qwen2-7B (lyrics), and SDXL-Turbo** to deliver a multi-modal creative platform.
- Check out Harmony AI on GitHub to see how it blends generative AI with scalable SaaS architecture and production-ready deployment.

Projects

NoteLineAI — **5/2026**

- Built Noteline AI, a mobile app turning notes and PDFs into an AI knowledge base using **Retrieval-Augmented Generation** (RAG).
- Developed the **React Native (Expo)** frontend with auth, document library, chat UI, subscriptions, and a design system.
- Implemented **FastAPI + LangChain** backend with ingestion, chunking, embeddings, and **pgvector** search on **Supabase/PostgreSQL**.
- Integrated Supabase Auth and **RevenueCat** for accounts and freemium/Pro subscription flows.
- Preview Noteline AI a powerful knowledge management platform built with **RAG**, **vector search**, and a scalable **cloud-native** architecture.

CommitList — **1/2026**

- Architected a GitHub-inspired task management system using **React Native** with project-based workflows and commit-style task modeling.
- Designed a local-first data architecture using **AsyncStorage**, enabling persistent storage, fast performance, and offline-first functionality.
- Integrated **GitHub REST API** to fetch repository branches and align tasks with real-world development workflows.
- Implemented scalable state management using **Zustand**, efficiently handling projects, tasks, filters, and UI state across the application.
- Published CommitList on **Google Play**, delivering a production-ready mobile app and iterating based on real-world user feedback.

MoneyX — **01/2025**

- Built a trading platform using **React Native** (TypeScript) and **Node.js** for real-time market analysis and strategy sharing.
- Implemented secure **JWT authentication**, push notifications, and dynamic dark/light themes with React Context **API**.
- Created admin dashboard using **AdminJS** for content management, handling 100+ daily trading tips with **MongoDB** aggregation.
- Visit the MoneyX GitHub repository to explore the code behind this real-time market analysis and strategy-sharing platform.

AgriTech — **12/2024**

- Designed and developed an intelligent farming application using **React Native (Expo framework)** that integrates real-time sensor data to predict plant diseases, prescribe treatments, and alert farmers. Check out AgriTech repository.

Education

Bachelor of Technology — **Dr. DY Patil Vidyapeeth** — **10/2022 - 04/2026**

- Major in Computer Science and Design | CGPA – 10.00
  Object Oriented Programming, Databases, Discrete Math's, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning, Data Mining, Advance Data Structures and Algorithms, Information Retrieval, Image Processing, Design Principles.

Others

- **Certifications:** Completed several online courses and certifications in web development, and cloud computing (IBM).
- **E-Summit:** Participated in IIT Bombay E-Summit, exploring product building, startup ecosystems, and scalable business. **12/2025**