

Ajinkya Mane

Software Developer — AI & Web Technologies

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Summary

Full-stack engineer with hands-on expertise in LLM integration, retrieval systems, and end-to-end application deployment. Focused on shipping production-grade solutions with measurable impact—from backend architecture to frontend UX. Passionate about building AI systems that solve real business problems, not just proof-of-concepts.

Education

B.E in Computer Science & Engineering

Savitribai Phule University, Pune — CGPA: 8.7

2024 – Present

Diploma in Information Technology

AISSMS Polytechnic, Pune — 83.5%

2021 – 2024

Experience

Python Full Stack Developer Intern

ItVedant Pvt. Ltd.

Dec 2025 – Feb 2026

- Built full-stack applications (Flask, Django, React, PostgreSQL); deployed on Render and Vercel with 30% database query optimization
- Developed secure auth systems and admin dashboards; collaborated on production-grade code reviews and Agile sprints

Software Developer Intern

Infeanet Digital Marketing And Web Media

Jun 2023 – Jul 2023

- Developed web components and backend services for digital marketing client projects using modern tech stack

Key Projects

LuminAI – AI Career Mentor Platform

[GitHub](#)

- Built an AI-powered career mentoring platform featuring personalized learning roadmaps, ATS resume analysis, AI mock interviews, and intelligent career guidance using Gemini API, React, Next.js, TypeScript, Node.js, and Express.js
- Implemented secure JWT authentication, PDF resume parsing, real-time AI chat, protected REST APIs, and deployed the frontend on Vercel and backend on Render with responsive UI and production-ready architecture

ContextBot – RAG-Based Document Q&A System

[GitHub](#)

- Built a production-grade RAG pipeline using ChromaDB, Hugging Face embeddings, and Groq Llama 3.3, achieving 92% retrieval accuracy and reducing vector memory usage by 40%
- Developed a React interface with drag-and-drop uploads, streaming markdown responses, document preview, and OCR support using PyPDF2 and Tesseract for 50+ document formats

FitGenie – AI Fitness Planner

[GitHub](#)

- Developed an AI fitness assistant generating personalized meal plans and 7-day workout routines using LLMs, supporting 500+ customized plans with food image nutrition analysis
- Integrated workout demo videos, progress tracking, AI health recommendations, real-time macronutrient dashboards, and MongoDB for persistent user profiles

Technical Skills

Languages	Python	JavaScript	TypeScript	HTML/CSS	SQL
Front-End	React	Next.js	Tailwind	CSS	Bootstrap
Back-End	Node.js	Express.js	Flask	Django	REST APIs
Databases	PostgreSQL	MongoDB	ChromaDB	Vector DBs	
AI / ML	LLM Integration	RAG Pipelines	Gemini API	Groq	Prompt Engineering
	OCR/Tesseract	LangGraph	NumPy	Pandas	Scikit-learn
Tools	Git/GitHub	VS Code	Jupyter	Render	Vercel
				Docker	

Key Achievements

- **ContextBot RAG Excellence:** Architected production-grade retrieval system achieving 92% retrieval accuracy; optimized vector storage reducing cloud memory by 40%
- **AI Integration at Scale:** Integrated Groq Llama 3.3 70B & OpenAI APIs across 5 projects; demonstrated advanced prompt engineering + shipping real-world impact (500+ FitGenie plans, 15% overspend reduction in PennyWise)