


Ayush Katre


Software Developer

 ayushkatre.tech

 AyushKatre05

 ayush-katre

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SKILLS

Programming Languages: Python, C++, JavaScript, TypeScript, Java, Go

Web & Backend Development: Node.js, Express.js, Flask, FastAPI, RESTful APIs, Microservices, WebSockets, Serverless Functions, API Gateway

Cloud Platforms & DevOps: AWS (EC2, S3), Google Cloud (Vertex AI), Docker, Git, GitHub, GitHub Actions, CI/CD Pipelines, Render, Vercel

Databases & Tools: MongoDB, MySQL, PostgreSQL, Pinecone, Weaviate, Supabase

AI/ML & GenAI: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, OpenCV, YOLO, TensorFlow, PyTorch, Hugging Face Transformers, LangChain, Fine-Tuning, Prompt Engineering, RAG, Faiss, ChromaDB

Core CS Concepts: Data Structures & Algorithms, System Design, Object-Oriented Programming (OOP), Operating Systems, DBMS, Semantic Search, Vector Embeddings, Version Control, Web Scraping

Frontend Development: React, Next.js, Tailwind CSS, Zustand, Component Libraries, Server-Side Rendering (SSR), Static Site Generation (SSG)

Soft Skills: Leadership, Collaboration, Technical Communication, Problem-Solving, Critical Thinking, Decision-Making

EXPERIENCE

- YatriCabs** Mumbai, India
Fullstack Developer Intern June 2024 – September 2024
 - Developed scalable REST API (Node.js, Express) and responsive UI (React, Tailwind), improving engagement by 30%.
 - Integrated Google Maps API for real-time tracking and routing optimization.
 - Implemented CI/CD pipelines with GitHub Actions, cutting deployment issues by 70%.
- Recode Hive** Remote
Data Science Intern April 2025 – June 2025
 - Built ML models (scikit-learn) to improve forecasting accuracy by 25%.
 - Automated data pipelines with Pandas and API, reducing manual effort by 60%.
 - Created visual dashboards using Matplotlib and deployed models via Docker.

PROJECTS

PixelUI – Component Library GitHub — Live Demo
Built a modular UI component library using ShadCN and MDX, focusing on accessibility and reusability. Accelerated frontend development and ensured design consistency across modern React and Tailwind-based applications. **Tech Stack:** Next.js, TypeScript, MDX, Fumadocs, ShadCN

Funky Cursor – NPM Package GitHub — Docs
Developed and published a lightweight, customizable cursor trail effect package. Provided full documentation and examples to streamline onboarding and integration in React/Next.js projects. **Tech Stack:** TypeScript, Next.js, Webpack, npm

GovRFP360AI – AI-Powered Government RFP Automation Platform GitHub — Live Demo
Built a full-stack AI platform to automate government RFP scraping and smart response generation using Gemini LLM. Integrated retrieval-augmented generation (RAG), PDF parsing, semantic similarity, and vector embeddings for intelligent document analysis. Deployed using cloud services. **Tech Stack:** FastAPI, Next.js, Gemini API, Weaviate, Pinecone, Zustand, Tailwind CSS, Zod, Vercel, Render

EDUCATION

- Savitribai Phule Pune University** Pune, India
Bachelor of Engineering; CGPA: 8.7/10 November 2022 – May 2026

ACHIEVEMENTS

- Finalist – Smart India Hackathon 2024 (National Level Innovation Challenge)
- Qualified GATE 2025 – Data Science and Artificial Intelligence
- 8x Hackathon Winner/Finalist – Including SIH, internal and national-level competitions
- 400+ Day Streak Achiever on GeeksforGeeks – Consistent DSA practice and problem-solving