


# Ayush Katre


Software Developer

 ayushkatre.tech

 AyushKatre05

 ayush-katre

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## SKILLS

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

**Development:** Node.js, Express.js, Flask, FastAPI, RESTful APIs, WebSocket, Mobile and Web Development

**Database & Tools:** MongoDB, MySQL, PostgreSQL, Git, GitHub, Postman, Docker, Render, Vercel, Pinecone, AWS (EC2)

**ML & Data Science:** Numpy, Pandas, Matplotlib, Seaborn, Supervised Learning, TensorFlow, PyTorch, Scikit-learn, OpenCV, YOLO

**GenAI:** Fine-Tuning, RAG, Prompt Engineering, Langchain, Faiss, ChromaDB, HuggingFace







**Core Concepts:** Data Structures and Algorithms, Machine Learning, Object-Oriented Programming, Backend Development, Data Science, DBMS, API Development, Web Scraping, Version Control, GenAI

**Soft Skills:** Leadership & Team Collaboration, Effective Communication & Presentation, Problem-Solving, Decision-Making

## EXPERIENCE

- YatriCabs** Mumbai, India
  - Fullstack Developer Intern* *June 2024 – September 2024*
  - Developed responsive and intuitive user interfaces, resulting in a 30% increase in user engagement and reduced bounce rates.
  - Built scalable REST APIs using Node.js and Express.js, improving backend performance with a 40% faster data processing rate.
  - Integrated Google Maps API for real-time tracking and route optimization.
  - Implemented CI/CD pipelines with Git-based version control, reducing integration issues by 70% and streamlining deployment processes.

## PROJECTS

- PixelUI: Component Library**  : Built a modular ShadCN-based UI component library with reusable, accessible components to accelerate frontend development and ensure design consistency across projects. Optimized for scalability, theming, and seamless integration with modern React and Tailwind-based applications.  
**Tech Stack:** Next.js, Typescript, MDX, Fumadocs, ShadCN
- Funky Cursor: NPM Package**  : Developed and published a lightweight NPM package for customizable cursor trail effects, offering seamless integration into modern frontend frameworks. Streamlined developer onboarding by providing comprehensive documentation, examples, and configurable options, increasing adoption by developers using frameworks like React and Next.js.  
**Tech Stack:** TypeScript, Next.js, Webpack, npm
- Swachha Vision: Smart India Hackathon 2024 Grand Finale**  : Created a scalable dashboard for Swachhta and LiFE to monitor cleanliness across 165,000+ post offices. Designed an AI-powered image processing system, improving waste detection accuracy by 85% and built data pipelines reducing analysis time by 40%.  
**Tech Stack:** Python, TypeScript, Next.js, YOLOv8, MongoDB

## EDUCATION

- Savitribai Phule Pune University** Pune, India
  - Bachelor of Engineering; CGPA: 8.9/10* *November 2022 – May 2026*

## ACHIEVEMENTS

- Smart India Hackathon 2024 Grand Finalist
- Qualified GATE 2025 in Data Science and Artificial Intelligence
- 8x Hackathon Winner/Finalist
- GeeksforGeeks 365 Days of Streak Achiever

## CERTIFICATIONS

- Data Science Skillpath**, Udemy, 2024
- Postman API Fundamentals Student Expert**, Postman, 2024
- Web Development Masterclass**, Udemy, 2024