


Ayush Katre


Software Developer

 ayushkatre.tech

 AyushKatre05

 ayush-katre

 ayushkatre05@gmail.com

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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

- 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
- Innova: Interview Bot**  : Built an AI-powered interview preparation app that lets users practice coding challenges and technical QA, improving interview success rates by 20%. Integrated AI-powered features to provide personalized feedback and suggestions, enhancing user progress tracking and improving learning efficiency by 30%.
Tech Stack: PostgreSQL, Drizzle, Next.js, Gemini, ShadCN

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