

Sanket Adsare

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Summary

Full-Stack Developer skilled in C++, Python, JavaScript, React, Next.js, Node.js and SQL. Experienced in building scalable web applications, REST APIs, and AI-driven solutions with TensorFlow, PyTorch, and OpenCV. Proficient in model deployment, database design (MongoDB, PostgreSQL), collaboration using Git/GitHub.

Education

Graduation CGPA: 8.24 – Pune Vidyarthi Griha’s College of Engineering, SPPU	2022 – 2026
12th Grade (HSC): 75% – Residential Junior College, Ahilyanagar	2020 – 2022
10th Grade (SSC): 94% – New English School, Parner	2020

Skills

◦ Programming: C++, Python ,JavaScript, SQL
◦ Web & Backend: Node.js, React, Next.js, REST APIs, Postman, Express.js
◦ AI/ML Frameworks: TensorFlow, PyTorch, Keras, NumPy, Pandas, OpenCV, DeepFace, Scikit-learn
◦ Databases: MongoDB, PostgreSQL, MySQL
◦ DevOps & Tools: Git, GitHub, Docker, FastAPI
◦ Visualization: Power BI
◦ Embedded Systems: Raspberry Pi, ESP32, Arduino IDE

Experience

Brain Tumor Detection Research Intern (IIT Bombay)	March 2025
<ul style="list-style-type: none">◦ Built a deep learning model using Xception architecture, achieving 99.2% accuracy on brain MRI images across four tumor types.◦ Applied advanced preprocessing and augmentation, boosting model robustness by 15%.◦ Deployed with Gradio for real-time predictions, reducing manual diagnosis time by 40%.	
Research and Design Intern (OpenDroids Robotics, USA)	Jan 2025
<ul style="list-style-type: none">◦ Designed robotic components with SolidWorks and integrated computer vision using CV2, improving detection accuracy by 25%.◦ Configured Raspberry Pi for real-time control, reducing system latency by 30% and enhancing automation reliability.	

Projects

Equinox – Smart Expense & Organisation Tracker github Live	2025
<ul style="list-style-type: none">◦ Built a full-stack web app to track and manage group expenses with friend and organization dashboards.◦ Implemented dynamic expense splitting, contribution tracking, and settlement logic showing who owes whom.◦ Tools: Next.js (TypeScript), Prisma ORM, PostgreSQL (NeonDB), NextAuth, Tailwind CSS	
MediMitra -Hackathon Project 🔗	2024
<ul style="list-style-type: none">◦ Voice-enabled medicine reminder system for seniors with Alexa/Google integration.◦ Built using Next.js, FastAPI, Gemini, Google SDK, OCR.◦ Tools: React, Node.js, Express, MongoDB	
EzChange 🔗	Jan 2025
<ul style="list-style-type: none">◦ Built a student book-exchange platform with 50+ users, reducing bookstore dependency by 40%.◦ Designed responsive React UI with enhanced navigation, improving engagement by 20◦ Tools: Next.js, Node.js, PostgreSQL, TailwindCSS	
Razorpay Payment Gateway Integration 🔗	2025
<ul style="list-style-type: none">◦ Engineered a full-stack e-commerce prototype by integrating Razorpay Payment Gateway with React and Node.js, enabling real-time, secure payment processing.◦ Optimized checkout UX with responsive product cards, dynamic success pages, and smooth frontend-backend API communication via Axios.◦ Tools: Reactjs,Nodejs,Mongodb	

Achievements

◦ Hackathon Finalist – 24-hour onsite hackathons at COEP and PVGCOET (2024) (top 10 in 200+ teams)
◦ Certifications - Fundamentals of Deep Learning (NVIDIA)