

Sanket Adsare

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Summary

Full-Stack Developer skilled in C++, Python, JavaScript, React, Next.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 – <i>Pune Vidyarthi Griha's College of Engineering, SPPU</i>	2022 – 2026
12th Grade (HSC): 75% – <i>Residential Junior College, Ahilyanagar</i>	2020 – 2022
10th Grade (SSC): 94% – <i>New English School, Parner</i>	2020

Skills

- **Programming Languages:** C++, Python, JavaScript, SQL
- **Web & Backend:** React, Next.js, Node.js, REST APIs, Postman, HTML, CSS, Bootstrap, TailwindCSS, Typescript
- **AI/ML Frameworks:** TensorFlow, PyTorch, Keras, NumPy, Pandas, OpenCV, DeepFace, Scikit-learn
- **Databases:** MongoDB, PostgreSQL, MySQL
- **Cloud** Git, GitHub, CI/CD
- **Embedded Systems:** Raspberry Pi, ESP32, Arduino IDE

Experience

Brain Tumor Detection Research Intern (IIT Bombay)	March 2025
◦ 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
◦ 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

Statusly (Live Shop Availability & Menu Tracking Application)	Ongoing 2025
◦ Engineered a full-stack MERN application to deliver real-time shop status, menus, and customer engagement, enhancing local business visibility.	
◦ Architecting an interactive React + Tailwind + Shadcn UI frontend with responsive design and intuitive user flows.	
◦ Tools: React, Node.js, Express, MongoDB	
EzChange	Jan 2025
◦ Built a platform for students to exchange books, onboarding 50+ users in pilot tests and reducing bookstore dependency by 40%.	
◦ Designed responsive React UI with enhanced navigation, improving engagement by 20%.	
◦ Tools: Next.js, Node.js, PostgreSQL, TailwindCSS	
Equinox – Smart Expense & Organisation Tracker ↗	2025
◦ 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	
Razorpay Payment Gateway Integration ↗	2025
◦ 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, Mongodob	

Certifications

- Deep Learning (NVIDIA Deep Learning Institute)
- MATLAB (MathWorks)
- Python (Udemy)