

# Sanket Adsare

sanketadsare5@gmail.com | +91-8010788050 | Pune | Portfolio | LinkedIn | [github.com/sanket8050](https://github.com/sanket8050)

## 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

- 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

**Equinox** – Smart Expense & Organisation Tracker [github](#) [Live](#)

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

**MediMitra** -Hackathon Project [🔗](#)

2024

- 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

- 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

- 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)