

PRATAP SANAP

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📄 Portfolio

Education

Sanjivani College of Engineering

Aug 2023 – Now

B.Tech - Computer Science and Engineering, (8.43/10)

Kopargaon, MH

Shri Tilok Jain Higher Secondary Vidyalaya

Jun 2021 – May 2023

Intermediate in Science (67.38.00%)

Pathardi, MH

Technical Skills

Programming Languages: C/C++, Java, **JavaScript**, Python, **HTML/CSS**, **Rest API**

Library & Frameworks: **ReactJS**, Express.js, Node.js

Developer Tools: Git, GitHub, Windows, Linux, VSCode, Postman, Vercel, Render, PowerBI, Tableau

Databases & Cloud: SQL, MySQL, MongoDB

Languages: English, Hindi, Marathi

Others: Data Structure and Algorithms, System Design, Design Patterns, Operating System

Projects

Shubhangi Collection — Client Project | *HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Vercel, Render* | [GitHub](#)

- Developed a **production-ready e-commerce and appointment management platform** for a real client.
- Improved business workflow efficiency by **automating product and appointment management**.
- Deployed frontend on **Vercel** and backend on **Render**, ensuring high availability and performance.

PayKeeper — Personal Finance Web Application | *HTML, CSS, JavaScript, Node.js, Express.js, MongoDB* | [GitHub](#)

- Designed and developed a **personal finance tracking system** for borrow and lend management.
- Enabled efficient tracking of financial records, improving clarity and manual effort reduction.
- Created a **responsive user interface** with automated transaction summaries.

IoT-Based Smart Air Quality Monitoring System | *ESP32, MQ135, DHT11, ThingSpeak, Blynk* | [GitHub](#)

- Built an **IoT system** to monitor air quality, temperature, and humidity in real time.
- Integrated **MQ135 gas sensor** and **DHT11** for accurate environmental data collection.
- Visualized live sensor data using **ThingSpeak dashboards** for real-time monitoring and analysis.

Publications & Certifications

- **Research Paper:** “*Breathe Safe: An IoT-Based Air Quality Monitoring System*”, **MAT Journals**, Volume 2, 2025.
- **NPTEL Certification:** Employment Communication Lab.
- **Infosys Springboard Certification:** Introduction to Data Science, 2025.

Achievements

- Solved 200+ problems - Leetcode
- 5-star badges in C, C++, Python, Java, SQL - HackerRank.