Yash Sandeep Shinde

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ABOUT ME

I am a B.Tech Computer Science and Engineering student at D. Y. Patil School of Engineering and Management, Kolhapur. I have hands-on programming experience in Java, C++ and Python. I regularly participate in hackathons, where I build complete working systems with teams under tight deadlines. I also contribute to open-source projects through GitHub issues and pull requests.

EDUCATION

B.Tech in Computer Science and Engineering **CGPA - 8.7/10** 08/2023 – 06/2027
D. Y. Patil School of Engineering and Management Kolhapur

EXPERIENCE

GirlScript Summer of Code (GSSoC) 2026 — Open Source Participant 05/2026 – 07/2026
Worked on open-source projects through GitHub, identifying and fixing issues in the code and collaborating with maintainers via issues and pull requests.

ACHIEVEMENTS

Winner — Internal Smart India Hackathon, Team Sanjeevani | 2025

Finalist — TrackShift Hackathon, Plaksha University, Chandigarh | 2025 & 2026

PROJECTS

E-Tongue for Dravya Identification 08/2025 – 10/2025
Tech Stack: Python, Sensors, Data Processing, Pattern Recognition
- Built a sensor-based system for automated dravya identification.
- Applied pattern recognition to classify samples from sensor data.

RaceIQ – Formula 1 Decision Intelligence Platform 08/2026 – 09/2026
Tech Stack: Python, FastF1, React, TypeScript, Vite
- Built an F1 overtake-decision engine that estimates battery state of charge from public telemetry and recommends GO or HOLD using an 8-state Hidden Markov Model (HMM) and scenario-tree MPC.
- Beat a greedy baseline by 18.75 s in a simulated 20-lap replay; wrote 198+ pytest tests with 87% coverage on core modules.

Issue Pilot – Open-Source Issue Recommendation Platform 08/2026 – 11/2026
Tech Stack: Java, Spring Boot, C++, MongoDB Atlas, React.js, TypeScript
- Developed a multi-platform issue recommendation system using a 6-factor weighted ranking algorithm to match contributors with relevant open-source issues.

SKILLS

Programming Languages
C++, Java, Python

Databases
MySQL

Web Technologies
HTML, CSS, React.js, REST APIs

Tools & Technologies
Git, GitHub, Linux

Core Subjects
Data Structures and Algorithms, DBMS, OOP, Operating Systems

CERTIFICATES

C and C++ Programming — DISHA Computer Institute | Grade - A++ | 2023

Java Programming — NPTEL | IIT Bombay (Spoken Tutorial) | OOP concepts | 2025