

Jagdish Raut

Full Stack Developer and Machine Learning Engineer

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📁 Portfolio

in LinkedIn

🐙 GitHub

Education

D. Y. Patil College of Engineering, Akurdi, Pune (SPPU)

Nov 2022 – Jun 2026

BE in Information Technology

- Aggregate CGPA: 8.67/10

Experience

Competitive Programming Mentor

DYPCOE Pune, India

Competitive Programming Mentorship Club (CPMC)

Sep 2023 – Present

- Mentored **50+** students in solving complex programming problems using algorithms and data structures.
- Hosted 10+ events and Hackathons.

AI/ML Intern

Virtual Internship

EduSkill

Oct 2024 – Dec 2024

- Work on predictive models for real-world datasets using Python and TensorFlow.

Technologies

- **Frontend:** JavaScript, Ejs, React.js, Tailwind CSS, Bootstrap, HTML5, CSS3
- **Backend:** Node.js, Express.js, MongoDB, MySQL
- **Programming Languages:** C, C++, Java, JavaScript, SQL, Python (Machine Learning)
- **Version Control/Tools:** Git, GitHub, VSCode, Mongo Atlas, Cloudinary, Passport Authentication, etc.

Projects

Naamsiddhi: Fuzzy Name Conversion of Hindi Names [🔗](#)

Nov 2024 - Dec 2024

[Go Live](#) [🔗](#)

- Developed a robust solution for fuzzy and phonetic matching of Hindi names using Node.js, Express.js, Ejs, MongoDB, javascript, Cloudinary, Tailwind, Algorithms etc.
- Used **Modified Indic Soundex** and **Levenshtein Distance Algorithm** to address transliteration, spelling variations, and phonetic similarities, achieving over **98 percent** accuracy.
- Applied **indexing techniques** to boost search time efficiency by 90 percent.
- Implemented a **bilingual** support for handling both **translation** and **transliteration**.
- Provided features like **database suggestions**, **voice-to-text**, etc.

Tripsy: Accommodation Finder Web Application [🔗](#)

Aug 2024 - Sep 2024

[Go Live](#) [🔗](#)

- Built a dynamic web application for finding accommodations using Node.js, Express.js, Ejs, MongoDB, javascript, Cloudinary etc..
- Implemented features like **CRUD operations**, **authentication**, **authorization**, **map integration** etc.

Other Minor Projects [🔗](#)

- **Portfolio:** Developed a personal 3D portfolio website (React, javaScript, 3D Model, HTML5, CSS3).
- **MultiMaze:** Created a competitive 4 Player maze game using OOP principles.
- **Spotify Clone:** Designed a music player application with playlist management.

Achievements

- **Smart India Hackathon Winner 2024:** Developed a solution for fuzzy name searching and conversion.
- Solved **600+** questions on LeetCode, CodeChef, etc., and achieved **2-star** on CodeChef.