

Shreeharsh Shinde

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [CodeChef](#) | [Codeforces](#)

EDUCATION

Walchand College of Engineering

Bachelor of Technology in Computer Science and Engineering

Nov 2022 – Jun 2026

Sangli, Maharashtra

Narhar Kurundkar Junior College

Higher Secondary Certificate

Jun 2020 – May 2022

Kurunda, Maharashtra

EXPERIENCE

Open Source Contributor

Jun 2024 – Present

MapLibre GL JS (TypeScript, WebGL, Rendering Engine)

Remote

- **Resolved** complex rendering bugs by improving label collision logic and enhancing **TypeScript** type safety in the source API, directly improving rendering performance.
- **Authored and merged 3+ feature-rich pull requests** with comprehensive test coverage, contributing production-level code to the WebGL rendering engine.
- **Collaborated** with the project maintainer via GitHub to diagnose and patch critical issues, demonstrating strong communication and remote teamwork skills.

Open Source Analyst (Self-Directed)

Ongoing

Astropy Library (Python Scientific Computing Ecosystem)

Remote

- Independently analyzing the source code of **Astropy**, a **core package for astronomy** in the scientific community.
- Focusing on understanding the architecture and implementation of core modules like **astropy.coordinates** to prepare for future **open-source contributions**.

PROJECTS

ERAWA | Next.js, Tailwind CSS, PostgreSQL, Drizzle ORM, Clerk Authentication

- **Developed** a full-stack gamified educational platform using **Next.js** and **Tailwind CSS**, delivering interactive learning modules across **4+ sensitive social topics** to enhance child safety awareness.
- **Architected** a secure backend with **PostgreSQL** and **Drizzle ORM**, implementing robust **user authentication with Clerk** to manage progress for **100+ potential users**.
- **Engineered** an engagement system featuring 15+ unique interactive quizzes and a leaderboard, designed to increase user **learning retention** by an estimated **30%** through gamification.

DreamFields | React JS, Tailwind CSS, Node.js, Meta API, Three.js

- Built a full-stack career guidance platform using the **MERN stack (MongoDB, Express.js, React.js, Node.js)** to deliver **AI-driven career insights** to a target audience of **10,000+ students aged 10-16 years**.
- **Integrated** the **Meta AI API** to power an assessment engine, analyzing user quiz results to generate **4-6 personalized career recommendations** with a **reliability score of over 75%** based on user feedback.
- **Enhanced** user engagement by designing a gamified system with **20+ career quizzes** and developing **2+ specialized learning modules** (e.g., Astronomy, Psychology) featuring immersive **3D visualizations** using **Three.js**.

TECHNICAL SKILLS

Languages: Python (Advanced), Java, Go, TypeScript, JavaScript, C/C++, SQL

Frameworks: Node.js, Flask, FastAPI, Spring Boot, Next.js, React.js, Three.js (R3F), Tailwind CSS, Streamlit

Databases & ORMs: PostgreSQL, MongoDB, Drizzle ORM

Developer Tools & Platforms: Git, GitHub, Docker, Kubernetes, Jenkins, AWS, Jira, Figma

Data Science & AI: Pandas, NumPy, Scikit-learn, Matplotlib, Astropy

ACHIEVEMENTS

- **Second Runner-Up, ACM Hackathon 2k24:** Secured 3rd place in a global-level hackathon organized by the WCE ACM Students' Chapter.
- **Global Rank 432, CodeChef Starters 187:** Achieved a peak rating of **1439** in a competitive programming contest (May 2025).
- **Second Runner-Up, Open Source Day 2k24:** Recognized for performance in an event focused on CI/CD pipelines using tools like Jenkins, Git, and Gitlab.
- **Qualified JEE Advanced & JEE Mains:** Secured All India Ranks (AIR) of **18,615** and **26,512** respectively.