

Vishal Raut

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Experience

360 View Tech, React Developer

On-Site

Jan 2026 – present

- Architected a scalable, reusable frontend component library utilizing React and ShadCN, standardizing page creation and significantly accelerating development cycles for the PlaceTrix web platform.
- Optimized React component render lifecycles and structured UI states, resulting in visibly faster page load speeds and a smoother user experience across the PlaceTrix platform.
- Engineered complex, high-performance scroll animations and dynamic UI interactions with GSAP, increasing user engagement and improving the interface's usability across PlaceTrix.

Open Source Contributions (Toon Org, GSSoC'25, ECWoC), Core Contributor & Official Member

Remote

May 2025 – present

- Recognized as an Official Member of Toon Org, contributing to the core development of TOON, a token-efficient serialization format that reduces LLM token usage by up to 60%.
- Collaborated on multiple large-scale MERN stack repositories under GirlScript Summer of Code (GSSoC'25) and ECWoC, resolving issues and submitting high-quality pull requests that improved code stability and maintainability.

Projects

CodePVG – Live | GitHub

2025

Next.js, TypeScript, Supabase, Judge0 API, Monaco Editor

- Architected a full-stack coding platform supporting real-time problem ingestion and secure code submission workflows.
- Integrated the Judge0 API to orchestrate secure and scalable compilation/execution engines for user code.
- Implemented comprehensive Row-Level Security (RLS) policies in Supabase to strictly isolate user data and submissions.
- Built robust core features including JWT authentication, interactive leaderboards, and an embedded Monaco Editor IDE.

TOON Extension – Marketplace | GitHub

2025

TypeScript, VS Code API, GitHub Actions, Node.js

- Engineered a marketplace VS Code extension utilizing a TypeScript architecture, delivering a 30–60% token reduction for LLM context processing.
- Architected an automated CI/CD pipeline using GitHub Actions to orchestrate security auditing, linting, semantic versioning, and auto-publishing to the VS Code Marketplace and Open VSX Registry.
- Scaled the extension to 750+ active global users, maintaining high reliability through automated testing and weekly security monitoring workflows.

Education

BE Savitribai Phule Pune University, Artificial Intelligence and Data Science

PVG's COE, Nashik

- GPA: 7.03 / 10 | Relevant Coursework: Data Structures & Algorithms, Core CS Fundamentals

Aug 2023 – June 2027

Skills

Languages: JavaScript, TypeScript, Python, Java, SQL, C++, HTML, CSS

Frontend: React.js, Next.js, Tailwind CSS, Framer Motion, GSAP

Backend & Cloud: Node.js, Express.js, Supabase, Firebase, Judge0 API

Dev Tools: Git, GitHub, GitHub Actions, Docker, VS Code Extension API, Monaco Editor, Vercel

Achievements & Leadership

- **Open Source Connect Global (OSCG):** Secured 2nd Rank globally out of 4,000+ contributors. Appointed as Campus Lead 2026 to champion open-source awareness.
- **Hack-AI-Thon 2025–26:** Secured 3rd position out of 50 final teams (200+ registrations) in a 30-hour national-level hackathon. Also competed in SIH (Round 2) and GenAI Hackathon.
- **Reverse Coding Competition:** Secured 1st position by accurately recreating complex webpage designs under timed constraints.
- **GeeksforGeeks Campus Mantri:** Mentored peers and led campus-wide coding initiatives to foster technical growth.