

PRACHI MARUTI PATIL

Computer Engineering student skilled in React, Node.js, and cloud deployment with expertise building scalable full stack solutions

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LeetCode: leetcode.com/u/PrachiMPatil | Portfolio: prachi5791.github.io/PrachiPatil

EDUCATION

Vidyalankar Institute of Technology | Mumbai, India

Sep 2023 – May 2026

B.Tech in Computer Engineering with Honors in Data Science | CGPA: 9.87/10.0

Atomic Energy Central School No. 04 | Mumbai, India

Apr 2022 – Feb 2023

Higher Secondary (CBSE) - PCM with Biology | 93.6%

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, HTML5, CSS3, SQL

Frontend: React.js, Next.js, Three.js, Svelte, Responsive Design, UI/UX

Backend: Node.js, Express.js, REST APIs, WebSocket, JWT Authentication

Database: MongoDB, MySQL, Firebase

Tools: Git/GitHub, VS Code, Azure, Vercel, Figma, Photoshop, Data Cleaning, Web Scraping

PROJECTS

FlipFrame - 3D Orthographic Viewer | *Next.js, Three.js, Vercel*

- Developed interactive 3D visualization tool for engineering students with 60fps performance
- Implemented smooth 2D/3D view transitions with optimized bundle size under 500KB
- Achieved sub-2s load time through SSR and deployed on Vercel with global CDN distribution

Inventory Management System | *React.js, Node.js, Azure, MongoDB*

- Built full-stack inventory platform deployed on Azure serving 100+ concurrent users
- Designed RESTful API with Node.js handling 5,000+ daily transactions with 99.9% uptime
- Implemented real-time inventory tracking reducing stock discrepancies by 40%

Vocabulary Learning App (Vocabify) | *React.js, Node.js, MongoDB, JWT*

- Created multilingual vocabulary platform for users across 10+ languages
- Implemented spaced repetition algorithm improving user retention by 60% over 4-week period
- Built RESTful API processing 1,000+ daily requests with MongoDB query optimization (450ms to 120ms)

Real-Time Chat Application | *React.js, Node.js, Socket.io, WebSocket*

- Built real-time messaging platform supporting multiple users with sub-100ms latency
- Implemented persistent chat history and user status indicators with 500+ messages/min capacity
- Achieved 100% mobile responsiveness (320px-2560px) with optimized event handling

WORK EXPERIENCE

Full Stack Development Intern

May 2024 – June 2024

Vidyarthimitra

Mumbai, India

- Developed React + MySQL web app matching 5,000+ students with colleges, reducing search effort by 80%
- Performed data cleaning, web scraping from 500+ college websites to build comprehensive database
- Built intelligent filtering algorithm processing 100+ data points for personalized recommendations

Junior Developer

January 2025 – March 2025

Paarvedan Foundation

Mumbai, India

- Enhanced ERP system (500+ users) by implementing 8 features and resolving 25+ critical bugs
- Redesigned community website UI increasing engagement by 40% and reducing load time by 44%
- Collaborated with 6-member cross-functional team using Agile methodology

Full Stack Developer

June 2024 – July 2024

MetaCraft Lab

Remote

- Built Dynamic Polling App using Svelte, Node.js, WebSocket handling 100+ concurrent users
- Deployed application with 99.9% uptime processing 10,000+ daily API requests
- Implemented robust state management reducing development time for future features by 35%

CERTIFICATIONS

Oracle AI Foundations | TCS Data Visualization (Forage) | Java Programming (NPTEL) | MATLAB | L&T Machine Learning using Python

LEADERSHIP & EXTRACURRICULARS

Finalist - TYNET 2.0 International Hackathon (Team Lead) (Jan 2024) | Top 10 among 500+ teams

Technical Core - Computer Society of India, VIT (Sep 2023 - Present) | Organized 5+ workshops, mentored 20+ students

ADDITIONAL INFORMATION

Languages: English (Fluent), Hindi (Native), Marathi (Native) | **Interests:** Open-source contribution, Competitive programming, UI/UX design