

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 B.Tech in Computer Engineering with Honors in Data Science CGPA: 9.87/10.0	Sep 2023 – May 2026
Atomic Energy Central School No. 04 Mumbai, India Higher Secondary (CBSE) - PCM with Biology 93.6%	Apr 2022 – Feb 2023

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	
<ul style="list-style-type: none">Developed interactive 3D visualization tool for engineering students with 60fps performanceImplemented smooth 2D/3D view transitions with optimized bundle size under 500KBAchieved sub-2s load time through SSR and deployed on Vercel with global CDN distribution	
Inventory Management System React.js, Node.js, Azure, MongoDB	
<ul style="list-style-type: none">Built full-stack inventory platform deployed on Azure serving 100+ concurrent usersDesigned RESTful API with Node.js handling 5,000+ daily transactions with 99.9% uptimeImplemented real-time inventory tracking reducing stock discrepancies by 40%	
Vocabulary Learning App (Vocabify) React.js, Node.js, MongoDB, JWT	
<ul style="list-style-type: none">Created multilingual vocabulary platform for users across 10+ languagesImplemented spaced repetition algorithm improving user retention by 60% over 4-week periodBuilt 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	
<ul style="list-style-type: none">Built real-time messaging platform supporting multiple users with sub-100ms latencyImplemented persistent chat history and user status indicators with 500+ messages/min capacityAchieved 100% mobile responsiveness (320px-2560px) with optimized event handling	

WORK EXPERIENCE

Full Stack Development Intern	May 2024 – June 2024
<i>Vidyarthimitra</i>	<i>Mumbai, India</i>
<ul style="list-style-type: none">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 databaseBuilt intelligent filtering algorithm processing 100+ data points for personalized recommendations	
Junior Developer	January 2025 – March 2025
<i>Paarvedan Foundation</i>	<i>Mumbai, India</i>
<ul style="list-style-type: none">Enhanced ERP system (500+ users) by implementing 8 features and resolving 25+ critical bugsRedesigned 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
<i>MetaCraft Lab</i>	<i>Remote</i>
<ul style="list-style-type: none">Built Dynamic Polling App using Svelte, Node.js, WebSocket handling 100+ concurrent usersDeployed application with 99.9% uptime processing 10,000+ daily API requestsImplemented 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