

# Vivek Patil

Pune, Maharashtra, India

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## Skills and Abilities

- Programming Languages: C, C++, Java, Python, JavaScript, TypeScript, PHP
- Frameworks and Libraries: Tailwind, React.js, Shadcn UI, Next.js, Express.js, Electron.js, Node.js, Flask, Django, Socket.io
- Tools: Vercel, GitHub, Postman, Mongoose, Prisma
- Databases: MongoDB, MySQL, PostgreSQL
- Cloud: AWS DynamoDB, AWS S3, AWS EC2
- Others: Data Structures and Algorithms (450+ Leetcode)

## Experience

<b>Pi Reality   Software Developer Intern   Website</b>	<b>Jun 2025 - Present</b>
<ul style="list-style-type: none"><li>• Sole web developer for the entire Veltos.ai platform (Next.js, Node/Express), owning the architecture, UI, backend services, DB design, caching, storage, auth, and deployment on Vercel.</li><li>• Engineered <b>game versioning, publishing, downloading</b> and a full <b>community system</b> with secure in-browser game rendering via <b>IFrames</b>, backed by optimized <b>DynamoDB</b> tables (with <b>Keys, Global Secondary Indexes</b>)</li><li>• Established a structured <b>AWS S3 asset pipeline</b> for storing and retrieving game files using deterministic key patterns, removing the need for stored URLs and enabling efficient access.</li><li>• Developed a <b>subscription + credit-based payment system</b> with a separate <b>payment microservice (Node/Express)</b>, secure checkout, <b>webhooks</b>, and automatic subscription/credit lifecycle management.</li><li>• Implemented <b>Clerk authentication</b>, security middlewares, <b>Redis caching</b> for high-speed community data, and performance optimizations (SSR/CSR tuning, lazy loading, caching layers) for a fast, scalable platform.</li></ul>	

<b>Sumago Infotech Pvt. Ltd.   Python Django Trainee</b>	<b>Jun 2023 - Aug 2023</b>
<ul style="list-style-type: none"><li>• Built a video calling application using <b>Django</b> which supports 50+ participants at one Meet, while learning full-stack development.</li><li>• Gained experience in REST APIs, models and frontend-backend integration.</li></ul>	

## Education

<b>RMD Sinhgad School of Engineering, Pune</b>	<b>Aug 2024 - May 2027</b>
B.E in Computer Engineering	
CGPA: 9.23	

  

<b>KCE's College of Engineering, Jalgaon</b>	<b>Jun 2021 - May 2024</b>
Diploma in Computer Engineering	
Percentage: 89.88%	

## Projects

<b>Active File CoPilot   Electron.js, Flask, Gemini API   Link</b>	
<ul style="list-style-type: none"><li>• Built a <b>free GitHub Copilot alternative</b> for AI-powered code completions, debugging, and coding assistance.</li><li>• Made with <b>Electron.js</b> for cross-platform apps, <b>Flask</b> for backend, and <b>Gemini API</b> for AI integration.</li><li>• Features include <b>coding suggestions</b>, error detection, and a <b>real-time chat interface</b>.</li></ul>	
<b>Personal Virtual Assistant for PC   Electron.js, Flask, Gemini API   Link</b>	
<ul style="list-style-type: none"><li>• Created an AI assistant with song playback, news, and weather, along with code error resolution.</li><li>• Designed a cross-platform desktop app with <b>Electron.js</b> and <b>Flask</b>.</li><li>• Added Google's Gemini API for live Q&amp;A, news, weather, and music integration.</li></ul>	
<b>Video Calling Web App   Python Django, JavaScript, ZEGOCLOUD API   Link</b>	
<ul style="list-style-type: none"><li>• Created a <b>real-time video calling</b> web application using <b>Django</b>.</li><li>• <b>Unique and secure generation of meeting names for user sessions.</b></li></ul>	

## Achievements

- Solved 500+ LeetCode DSA problems.
- Won Best Project Presentation at KCE state-level competition (2024).
- Awarded Best Trainee at Sumago Infotech (2023).