

Devyanshu Negi

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Education

VIT Bhopal University, B.tech in Computer Science	2023 – 2027
• CGPA: 8.85/10.0	
Army Public School Jammu Cantt,	2022 – 2023
• Percentage : 92.6	

Experience

Tech Co-Lead, Software Development Club	Dec 2024 – now
<ul style="list-style-type: none">Leading a team of 12 developers, collaborating on multiple projects and technical initiatives.Coordinated 3+ hackathons and multiple tech talks, engaging 200+ students in AI and software development.Organized and hosted a presentation by Google Program Manager Madhurima Maji on AI harms and misuse,Mentoring 8+ junior developers, guiding them in web Dev, backend architecture, and best coding practices.	

Projects

Full-Stack Payments Platform (Paytm Clone)	vidDemo Github
<ul style="list-style-type: none">Architected a full-stack payments application within a Turborepo monorepo, enabling seamless code and type sharing between the user app, merchant app, and backend services.Developed core functionalities including peer-to-peer (P2P) transfers and wallet management, using Prisma for atomic database transactions to ensure data integrity.Implemented a dedicated Express.js webhook server to securely handle asynchronous payment status updates from a mock payment gateway.Tools Used: Next.js, Express.js, PostgreSQL, Prisma, TypeScript, Turborepo, Tailwind CSS, Docker.	
Do-Sakhi (Real-Time AI Avatar)	Github Demo
<ul style="list-style-type: none">Engineered an interactive AI avatar, achieving over 95% perceived accuracy in real-time lip-sync synchronization with AI-generated speech.Architected a serverless pipeline using Next.js API routes to handle OpenAI script generation and ElevenLabs audio streaming, reducing end-to-end latency by 40% by eliminating a separate backend.Tools Used: Next.js (Serverless Functions), React, TypeScript, OpenAI API, ElevenLabs API, Tailwind CSS.	
Pentara Blogs	Demo Github
<ul style="list-style-type: none">Developed a full-stack blogging platform with the MEN stack (MongoDB, Express, Node.js) and an EJS frontend. Shrinking images via Cloudinary, cutting load times by 70% and storage by 40%.Engineered comprehensive search functionality and rich text editing using Quill, enhancing user engagement.Designed secure authentication flows, middleware security layers, and better DB queriesEnsured 99.9% uptime with proper error handling and database indexing.	
Open-source Contributions	
<ul style="list-style-type: none">Palisadoes Foundation : Migrated 9 unit tests from Jest to Vitest, optimizing test execution speed and improving feedback loops for the development team.Collabora Online :Optimized website responsiveness for smaller screens, enhancing UI/UX. Gained experience with the HUGO framework for static site generation and resolved a local setup bug, improving accessibility.	

Technologies

Languages: C, C++, Python, JavaScript, TypeScript, SQL

Technologies: React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, MySQL, Docker, Postman, Arduino.