Devyanshu Negi

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Education

VIT Bhopal University,
Aug 2023 - Aug 2027
- Bachelor of Technology in Computer Science - CGPA: 8.85

Army Public School, Jammu Cantt
May 2022 - May 2023
- CBSE XII - AISSCE - 92.6

Experience

Freelance Software Developer, Remote [Demo]
Sept 2025 - Present
- Contributed to a production Next.js and Prisma application by implementing a Stripe complete payment user flow and integrating 9+ front-end components in 2 pages with pre-existing backend services.

Freelance Software Developer, Remote [Demo]
Jun 2025 - Jul 2025
- Revitalized a MERN-stack car rental app by debugging legacy code, translating UI mockups into 3 pages, and engineering key backend features like dynamic pricing and real-time booking.
- Managed the end-to-end deployment of two full-stack MERN projects to a production environment in AWS.
- Resolved 2 critical errors in a notification service for a separate web application, restoring its core functionality.

Tech Lead, Software Development Club
Dec 2024 - Dec 2025
- Led the planning and execution of 4 major technical events, mentoring 100+ attendees and engaging over 1200 students
- Managed event logistics from promotion to execution, resulting in a 25% increase in club registrations for the semester.

Projects

Full-Stack Payments Platform (Paytm Clone) [vidDemo] [Github]
Apr 2025 - May 2025
- Architected scalable full-stack payment application within a **Turborepo monorepo**, enabling seamless code and type sharing between 3 separate projects the user application, the merchant app and the back-end services.
- Ensured ACID-compliant data integrity for P2P transfers using Prisma's atomic database transactions and implemented a dedicated stateless Express.js webhook server to securely handle idempotent asynchronous payment status updates.
- **Tools Used:** Next.js, Express.js, PostgreSQL, Prisma, TypeScript, Turborepo, Tailwind CSS, Docker.

Do-Sakhi (Real-Time AI Avatar) [Github]
Feb 2025 - Mar 2025
- Created an interactive AI avatar with 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 Python backend.
- **Tools Used:** Next.js (Serverless Functions), React, TypeScript, OpenAI API, ElevenLabs API, Tailwind CSS.

Pentara Blogs [Demo] [Github]
Jun 2024 - Sep 2024
- Developed a full-stack blogging platform with the MongoDB, Express, Node.js and an EJS front-end.
- Engineered a highly optimized front-end, achieving a **99/100 Google Lighthouse** performance score by optimizing asset delivery and achieving a Largest Contentful Paint of under 1 second.

Open-source Contributions
- **Palisadoes Foundation** : Migrated 9 unit tests from Jest to Vitest, optimizing test execution speed and improving feedback loops for the development team.
- **Collabora Online** : Fixed the local server setup for Hugo and improved the website UI to be fully responsive.

Technologies

Languages:	TypeScript, JavaScript, Python, SQL	**Databases:**	PostgreSQL, MongoDB, Prisma
Front-End:	React, Next.js, Tailwind CSS	**Cloud & DevOps:**	AWS, Docker, Git, Vercel, Linux
Back-End:	Express.js, Flask, Django		

Achievements and Co-curricular

- Achieved 1st and 4th place in two intra-college Competitive Programming (CP) competitions with over 750 participants.
- Sports : Competed as an inter-zonal football player and secured 5th position in an intra-college table tennis competition.