

Yash Tilwani

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering (CGPA: 8.71/10)

Oct 2022 - May 2026

Bhopal, MP

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, HTML, CSS, Tailwind CSS

Frameworks & Technologies: React.js, Next.js, Node.js, MongoDB, MySQL, Express.js, RESTful APIs, LangChain, Vector Databases, RAG

Tools & Platforms: Git, Docker, Google Colab, Amazon Web Services (AWS), Jupyter Notebook

Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, DevOps, Computer Networks, Operating Systems

PROJECTS

RideTogether - Carpool | *React.js, Python, Docker, MongoDB, Node.js*

Mar 2024 – May 2024

- Developed a full-stack carpooling web application with React.js, Tailwind CSS, Node.js, Python, and MongoDB, enabling efficient and seamless ride-sharing.
- Optimized ride-matching algorithm, reducing user ride search and booking time by 40%.
- Engineered scalable backend services with Python and MongoDB to manage 25+ weekly carpool rides.
- Integrated Google Maps API for accurate route planning and distance calculation, improving ride allocation efficiency.
- Containerized and deployed using Docker, achieving 99.5% uptime and improving overall user experience by 40%.

LYNK - Video Conference | *Next.js, React.js, Tailwind CSS, TypeScript, Clerk*

Jan 2025 – Mar 2025

- Designed and developed a fully responsive, real-time virtual meeting application capable of supporting up to 500+ concurrent users, ensuring smooth performance and reliability during high-traffic sessions.
- Implemented secure authentication using Clerk, supporting social login and email/password methods.
- Optimized meeting scheduling and instant meeting creation using GetStream APIs, enabling low-latency, seamless real-time interactions and significantly improving the user experience for collaborative sessions.
- Added screen sharing and chat functionality to enhance collaboration during live sessions.
- Deployed on Vercel with fast global performance, scalable architecture, and real-time responsiveness.

HouseHunt Property Rental | *React.js, Redux, Node.js, Express, MongoDB, JWT*

Apr 2025 – May 2025

- Built a full-stack property rental platform (Airbnb-inspired) with features for property owners to create and manage listings, and for users to search, filter, and book rentals, delivering a seamless end-to-end experience with a modern responsive UI and secure booking workflows.
- Built the frontend with React 18, Redux Toolkit, Material-UI, and React Router for responsive UI and navigation.
- Integrated drag & drop (React Beautiful DND) and date selection (React Date Range) for enhanced user interaction.
- Designed a secure backend using Node.js, Express, MongoDB, with JWT authentication, Multer file uploads, and CORS handling.
- Implemented property search and filtering with MongoDB queries and geolocation support for better user discovery.

CERTIFICATIONS & ACHIEVEMENTS

- PwC CTDP 3.0 Trainee with 20,000+ Trailhead points and multiple badges in Salesforce (Link)
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional – Issued by **Oracle** (Certificate)
- DevOps Fundamentals – Issued by **IBM** (Certificate)
- Full Stack Developer (MERN) – Issued by **SmartInternz** (Certificate)
- MongoDB Associate Developer Node.js – Issued by **MongoDB University** (Certificate)

EXTRACURRICULAR ACTIVITIES

Competitive Programming: Solved 400+ DSA problems on Leetcode and GeeksForGeeks (Arrays, Strings, Stacks, Graphs, DP) with focus on optimization.

Hackathons: Participated in multiple national-level hackathons on Unstop, including Grab Hack, TVS Credit Epic 7.0, and Adobe India Hackathon, developing innovative project prototypes under time constraints.

Gujarati Club (Event Management Lead): Led the core organizing team for major campus events and contributed significantly to the successful execution of the annual college fest.