

Aksh Jain

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Work Experience

- Full Stack Developer Intern - PaySecure — Project Link** Nov 2024 – Jan 2025
- Accelerated unit test code coverage from 60% to 85% for critical Node.js backend services, ensuring code reliability and reducing potential production issues due to improved stability
 - Promoted a clean layered architecture (Controller–Service–Repository) using MERN technology, resulting in a 25% improvement in database query performance and helping resolve 3 major memory leak issues
 - Contributed to weekly Agile sprint reviews by fixing 10+ backend issues and implementing feature enhancements based on team feedback

Projects

- QuickChat — React.js, Node.js, Socket.IO, MongoDB, Axios — Project Link** Nov 2025
- Developed a **real-time chat application** using the **MERN stack** and **Socket.IO**, supporting **50+** active users with sub-second message delivery.
 - Implemented **JWT authentication** and **Cloudinary image uploads**, enabling **200+** secure signups and **500+** media shares.
 - Built **REST APIs** for profile, message, and status management, improving database performance for **1k+** operations.

- MacBook Landing Page — React.js, Tailwind CSS, GSAP, Vite — Project Link** Oct 2025
- Created an **interactive 3D product showcase** using **GSAP animations**, increasing visual engagement by **70%**.
 - Improved build efficiency with **Vite bundling**, reducing load time and build duration by **35%**.
 - Used **GSAP scroll triggers** to design smooth, user-driven motion effects aligned with page interactions.
 - Applied a **modular React component structure** and **Tailwind styling** for a maintainable and clean design.

- Food Mart — React.js, JavaScript, Tailwind CSS, Firebase, Redux — Project Link** May 2025
- Led development of a **food delivery web app** using live **Swiggy API**, listing **100+** restaurants.
 - Reduced API data-fetch latency by **25%**, ensuring faster and smoother page navigation.
 - Developed a **responsive UI** with **Tailwind CSS**, improving mobile engagement and lowering bounce rate by **15%**.
 - Improved scalability using **Redux** for state management, maintaining **500+** concurrent sessions without downtime.

Technical Skills

Languages: C++, TypeScript, JavaScript, HTML/CSS, Tailwind

Databases: PostgreSQL, MongoDB

Frameworks and Libraries: React, Node.js, Express.js

ORMs and Auth: Sequelize and JWT

Developer Tools: Git, VS Code, GitHub, Docker, Postman

Education

VIT Bhopal University

B.Tech in Computer Science (Cyber Security and Digital Forensics)

Sept 2022 – Oct 2026

St. Wilfred's School

CBSE Board, Class XII

2022

Subodh Public School

CBSE Board, Class X

2020

Certifications and Achievements

MongoDB Certified Associate Database Administrator — Issued by MongoDB via Credly (2024)

National Mathematics Talent Contest Winner — Recognized for strong analytical and logical reasoning abilities.

Adobe Indian Hackathon Semi-Finalist — Designed a prototype for real-time image compression, improving efficiency by **40%** and advancing to Round 2.