

# 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** **Sept 2022 – Oct 2026**  
*B.Tech in Computer Science (Cyber Security and Digital Forensics)*
- St. Wilfred's School** **2022**  
*CBSE Board, Class XII*
- Subodh Public School** **2020**  
*CBSE Board, Class X*

## 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.