

Abhinav Thakur

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SUMMARY

Full-stack MERN developer with hands-on internship experience building real-time systems, secure payment integrations, and AI-powered web applications. Seeking a software engineering role to design and contribute to scalable, impactful products.

EDUCATION

Guru Nanak Dev University

Punjab, India

Bachelor of Technology in Computer Science | CGPA: 7.58/10

Aug 2022 – May 2026

- Relevant Coursework: Data Structures & Algorithms, Database Management Systems, Operating Systems, Object-Oriented Programming, Web Development

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, SQL, Python

Web Technologies: Next.js, React.js, Node.js, Express.js, HTML, CSS, Tailwind CSS, Socket.io, WebRTC

Databases: MongoDB, PostgreSQL

Tools & Platforms: Git, GitHub, Maven, Postman, npm, VS Code, IntelliJ IDEA, Vercel, Vite, Zustand

Core Competencies: Data Structures and Algorithms, REST API Design, Full-Stack Development, Real-Time Systems, Authentication and Security

EXPERIENCE

O7 Services

Jalandhar, Punjab

Web Developer Trainee

Dec 2025 – May 2026

- Built and shipped **BagPacker**, a full-stack travel platform handling end-to-end group trip booking, from schema design across **14 MongoDB collections** to React.js frontend with reusable component architecture
- Integrated **Razorpay** payment pipeline with automated ticket generation via email; implemented **role-based access control** for 3 user roles (Traveler, Organizer, Admin) securing all protected API routes
- Built real-time group and direct messaging using **Socket.io** across **5+ chat rooms**, reducing communication latency with message persistence and online presence tracking
- Designed and deployed **40+ REST API endpoints** across authentication, bookings, seat allocation, payments, and AI copilot modules

PROJECTS

BagPacker – Full-Stack Travel Platform | *React.js, Node.js, Express.js, MongoDB, Socket.io, Razorpay* 2026

- Travel-tech platform for trip discovery, companion matching, and seat-managed group bookings with **dynamic pricing** and booking confirmation via email
- Integrated **AI travel copilot** (packing lists, route planning, companion matching) as a core user-facing feature, reducing trip planning friction
- Architected MongoDB schema across **14 collections** handling users, trips, seats, payments, and real-time chat history with referential integrity

Drawza – Collaborative Real-Time Whiteboard | *React, Node.js, Socket.io, MongoDB, WebRTC* 2025

- Full-stack collaborative whiteboard supporting **live cursor sync**, **drawing broadcast**, and **WebRTC voice channels** for real-time multi-user sessions in a unified codebase
- Hybrid REST and WebSocket architecture with **optimistic UI updates** via Zustand and **debounced auto-save** to MongoDB, enabling low-latency collaboration for concurrent users
- JWT-based authentication shared across HTTP and WebSocket layers; canvas state persisted per room, enabling full session recovery without data loss

CERTIFICATIONS

Java Programming: Crio.Do – Core Java, OOP principles, collections, and multithreading

Demystifying AI/ML: TalentSprint – ML algorithms, model evaluation, and practical AI applications