DHRUV JINDAL

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SUMMARY

B.Tech (Information Technology) student skilled in **system design**, data structures, algorithms, and scalable backend development. Building extensible, low-latency solutions for digital commerce. Proficient in **C++, Python, and Java**; experienced with secure APIs, distributed systems, and full-stack development.

TECHNICAL SKILLS

Languages & CS Fundamentals: C++, Java, Python, C, SQL, TypeScript, JavaScript (ES6+), Data Structures & Algorithms (DSA), System Design, Object-Oriented Programming (OOP)

Back-End: Node.js, Express.js, REST APIs, MongoDB, WebSockets (Socket.IO), Stripe API

Front-End: Next.js, React.js, Zustand, Redux, Tailwind CSS

Machine Learning: Scikit-learn, Pandas, NumPy, TensorFlow, PyTorch

Developer Tools: Git & GitHub, VS Code, Postman, Vercel

PROJECTS

AlumLink | *React, Node.js, MongoDB, Socket.IO, Python (spaCy, scikit-learn) with Stripe* ↗ — Jan 2026
- Built a large-scale alumni platform with **32+ React components, 50+ APIs, and 4 Python microservices**, supporting **4 user roles** across jobs, blogs, chat, and donations.
- Created an **AI-powered resume matching system** using Python (spaCy + TF-IDF) to extract skills from PDFs and rank candidates in real time for recruiters.
- Built **real-time chat** and notifications with **Socket.IO**, developed role-based dashboards with analytics and approval workflows, and integrated **Stripe payments** with **Cloudinary file uploads** for community donations.

Apni Dukaan | *React.js, Node.js, Express, MongoDB, JWT, Stripe* ↗ — Jan 2025
- Engineered a full-stack e-commerce platform that directly addresses **transaction friction** by integrating the **Stripe API** for secure, reliable payment processing.
- Architected a scalable backend with **seven API categories** for comprehensive product, user and order management, laying the groundwork for a robust digital purchase experience.
- Engineered a secure, **JWT-based authentication** system to safeguard user data and private routes, demonstrating a strong understanding of security protocols critical for digital businesses.

CinemaTrails | *React, Node.js, Express, MongoDB, JWT, GSAP, Stripe* ↗ — Aug 2024
- **Led** the **team** and designed a robust **RESTful API** with **20+ endpoints** to manage complex business logic for a movie booking system, handling real-time availability checks across **six distinct data models**.
- Resolved a **critical concurrency challenge** by implementing deterministic backend logic to handle simultaneous booking requests, preventing race conditions and ensuring data integrity across all user sessions. Improved booking flow reliability by **30%** through concurrency fixes, ensuring a smoother user experience under high load.

ACHIEVEMENTS

- Solved **600+ LeetCode problems.**
- Won **2nd place** out of 400+ teams in **HackWithMAIT 5.0** (Microsoft Azure), served as Team Lead and architected an ML-powered sign language detection model. — Oct 2024
- Secured **2nd place** in **Stackhack 2.0** (Mercer Mettl) among 300+ national teams as Team Lead, developing a full-stack movie-booking application with a focus on robust backend architecture. — Aug 2024
- Won **Frontend Fiesta** among 50+ competitors for building an interactive, responsive interface. — Apr 2024

EDUCATION

Maharaja Agrasen Institute of Technology, GGSIPU — Delhi, India
Bachelor of Technology in Information Technology, CGPA: 8.1 — 2022 – Expected July 2026

Aggarwal Public School — Haryana, India
Senior Secondary School in PCM, 92.6% — 2022

CERTIFICATES & CONTRIBUTIONS

- Earned a certification in **Machine Learning & Data Science** from **GeeksforGeeks**, validating foundational knowledge in core AI principles. ↗ — Jan 2025
- Contributed to the **MAIT IT Yearbook 2024**, leading design and content curation efforts. — Sep 2024
- Recognized by **CARTT / CDC MAIT** for coordinating placement drives and related tasks. — Aug 2024