

Arpit Chhabra

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EDUCATION

Indian Institute of Information Technology, Una

2023 – Present

B.Tech – Information Technology CGPA: 8.17

CBSE Board

2022

Senior Secondary Examination Score: 83.4%

PROJECTS

SkillForge AI – MERN-Based AI Interview Practice Platform

Sept 2025 – Nov 2025

Tech: React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Gemini API, JWT Auth, Axios, Vite

- Built an **advanced AI-driven interview prep platform** that generates **20+ role-based questions**, answers, and in-depth explanations using the **Gemini API** for highly personalized learning.
- Implemented secure **JWT auth** with modular controllers and optimized MongoDB models for session handling.
- Developed a responsive **React+Tailwind UI** with dashboards, forms, and Q&A cards for smoother UX.
- Created a streamlined **session workflow** enabling pinned questions, AI explanations, and persistent storage.

StreamSphere Backend API – Scalable Video Streaming Platform

May 2025 – Aug 2025

Tech: Node.js, Express.js, MongoDB, Mongoose, JWT Auth, Multer, Cloudinary, CORS

- Built a **high-performance, feature-rich backend API** powering advanced video uploads, playlists, tweets, comments, subscriptions, and channel dashboards across **10+ modules**.
- Implemented **JWT Auth** with bcrypt security, boosting authentication reliability and session safety by **40%**.
- Modernised **MongoDB pipelines** to handle **1K+ video/like/comment ops** with efficient modular controllers.
- Integrated **Multer + Cloudinary** for fast media workflows, reducing upload and processing time by **30%**.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, JavaScript (ES6+), HTML5, CSS3
- **Frameworks and Libraries:** React.js, Node.js, Express.js, Tailwind CSS, RESTful APIs
- **Databases and Tools:** MongoDB, SQL, Postman, Cloudinary, Clerk (Authentication), JWT, Stripe
- **Development Tools and Environments:** Git, GitHub, VS Code, Jupyter Notebook, Linux, Docker (Basics), Figma
- **Core CS Concepts:** DSA, OOP, DBMS, OS, CN, SDLC
- **Platforms and Hardware:** Linux, Arduino

LEADERSHIP & RESPONSIBILITIES

Career Development Cell (CDC), IIIT Una — Student Volunteer

- Facilitated **placement & internship operations** by managing **on-ground execution** of corporate sessions.
- Streamlined **recruiter communication** and follow-ups with **industry professionals** for seamless hiring drives.

ACHIEVEMENTS

- **Semi-Finalist – National Road Safety Hackathon (Ministry of Road Transport & Highways):** Ranked in **Top 50 out of 5000+ teams**, developing an innovative engineering-based road safety solution.
- **Adobe Hackathon – Round 2 Qualifier:** Achieved **Top 4000 out of 260,000 participants** by designing advanced PDF solutions for heading detection and persona-driven extraction & analysis.
- **DSA Practice:** Solved **300+** algorithmic questions on LeetCode, GeeksforGeeks, and CodeNinjas, focusing on arrays, trees, graphs, dynamic programming, and time-space optimization.