

ARPIT CHHABRA

+91-7976046473 | arpitchhabra.work@gmail.com | [LinkedIn](#) | [GitHub](#) | [Codolio](#) | [Portfolio](#)

Summary

Full-Stack Developer and previous intern at ModelSuite AI, pursuing B.Tech at IIIT Una, with hands-on experience building production web applications, event-driven architectures, and AI-augmented SaaS platforms using MERN, Node.js, MongoDB, Redis, WebSockets, REST APIs, and AI. Skilled in Data Structures and Algorithms with 650+ problems solved.

Education

Indian Institute of Information Technology Una

Bachelor of Technology (B.Tech) in Information Technology

August 2023 – Present

Himachal Pradesh, India

- CGPA: 7.97 / 10.0
- Relevant Coursework: Data Structures and Algorithms (DSA), Operating Systems, Computer Networks, Database Management Systems (DBMS), Software Engineering, Object-Oriented Programming (OOP)

Experience

ModelSuite AI

Full Stack Intern

April 2026 – July 2026

Remote

- Developed and maintained backend features using Node.js, Express.js, MongoDB, and Redis across multiple modules of an internal HR platform, following structured Agile sprint workflows and production Git practices.
- Implemented JWT authentication and role-based access control while clearing all CI/CD quality gates — ESLint, Semgrep, and Danger.js — on every merged contribution via GitHub Actions preflight checks.
- Built a real-time messenger system using Socket.io v4 with Redis pub/sub, supporting multi-window cross-tab sync, DM and group conversations, a floating Quick Chat widget with popout window via BroadcastChannel,

Microvison

Web Developer Intern

Jan. 2026 – Mar. 2026

Remote

- Architected and shipped a production MERN stack service management platform for 400+ service centres across 5 states, featuring JWT-based multi-role auth, 5-step complaint wizard, and automated WhatsApp notifications via Meta API.
- Engineered a product tracking module with serial-number lookup, 3-year auto warranty calculation, and a multi-stage billing engine supporting in-warranty and out-of-warranty flows with bulk payment reconciliation.

Projects

CareerCraft AI – Learning & Interview Platform | MERN, Llama-3.3, Jina AI, RAG, Stripe, Brevo

GitHub | Live

- Engineered a full-stack SaaS application with a custom RAG pipeline using Jina AI embeddings, MongoDB Vector Search, and Llama 3.3-70b, enabling precise document Q&A with cosine similarity retrieval and chunk-level citation tracking.
- Constructed AI-driven quiz generation, 3D animated flashcard decks, and multi-turn mock interviews with streamed LLM feedback tailored to role and difficulty tier, alongside an XP-based streak system to drive user retention.
- Configured Stripe webhook-driven subscription tiers (Free/Pro/Enterprise), Brevo OTP email verification, Cloudinary media storage, and Framer Motion UI with role-based access and usage limits across all plan tiers.

MindClash – Real-Time Debate Platform | React.js, Node.js, Express, MongoDB, Socket.io, Redis

GitHub | Live

- Architected a high-throughput debate system using MERN, Socket.io, Redis, and WebRTC with 1v1 and battle-royale modes, sub-second event latency, persistent room state, and concurrent session handling for 50+ active users.
- Integrated Gemini AI for moderation, fact-checking, scoring, analytics, anonymous debates, spectating, and XP betting.
- Designed backend with 40+ REST APIs, JWT auth, 10+ MongoDB schemas, and Redis caching for concurrent sessions.

Technical Skills

Languages: C, C++, Python, JavaScript (ES6+)

Frontend: React.js, HTML5, CSS3, Tailwind CSS, Framer Motion

Backend & Databases: Node.js, Express.js, REST APIs, Socket.io, JWT, WebRTC, NoSQL DB, Redis, SQL DB

Cloud & Tools: Git, GitHub, Cloudflare, Cloudinary, Stripe, Postman

AI & GenAI: Gemini, OpenAI, RAG, Vector Search, Embeddings, Semantic Chunking, Hybrid Search, Reranking

Achievements

- **Semi-Finalist – National Road Safety Hackathon:** Ranked Top 50 of 5,000+ teams for an engineering solution.
- **Adobe Hackathon – Round 2 Qualifier:** Achieved Top 4,000 of 260,000 designing PDF persona-driven solutions.
- **DSA & Open Source:** Solved 650+ problems on LeetCode; maintained 800+ commits across repositories on GitHub.
- **AI Foundations – IBM SkillsBuild:** Earned badge in artificial intelligence and design thinking with 80%+ assessment.
- **Career Development Cell (CDC), IIIT Una:** Managed recruiter communication and execution of placement drives.