



EDUCATION

Degree/Certificate	Institute	Year
B.Tech, Computer Engineering	National Institute of Technology, Kurukshetra	Exp. May, 2026

EXPERIENCE

- **Software Engineering Intern**

Scale AI

May 2025 – Oct 2025

Remote

- Optimized and validated AI-generated applications using **React.js**, **Next.js**, and **Node.js** as part of **RLHF pipelines**, improving model reasoning accuracy and output reliability.
 - Analyzed machine-generated code to identify and fix logic flaws, security gaps, and edge-case failures to ensure production-grade quality.

PROJECTS

- **Real-Time Chat Application**

Node.js, Express.js, Socket.io, MongoDB

May 2025

- Implemented a **real-time chat system** using **Socket.io** with **event-driven architecture**, enabling **low-latency**, **scalable** room-based message broadcasting under concurrent user load.
- **Shares Portfolio Tracker**

React.js, Node.js, Express.js, MongoDB

Aug 2025

- Built a **full-stack portfolio tracker** with **RESTful APIs** to manage **equity holdings**, compute **real-time valuation**, and aggregate **external market data streams** efficiently.
- **Zerodha-Style Trading Platform Clone**

React.js, Node.js, Express.js, MongoDB, JWT

Sep 2025

- Developed a **trading simulation platform** with **JWT-based authentication**, **transactional order execution**, and **atomic portfolio state updates** across concurrent trading requests.

TECHNICAL SKILLS

- Languages: C/C++, Python, JavaScript, SQL, Java
- Web & Backend: Node.js (Express.js), FastAPI, React.js, Next.js, RESTful APIs, Socket.io
- Databases: PostgreSQL, MongoDB, Redis
- AI & DevOps: RAG Pipelines, ChromaDB, Linux, Docker, Git/GitHub
- Core CS Concepts: DSA, Operating Systems, DBMS, Computer Networks, OOP, Distributed Systems

HACKATHONS

- **HCL Hackathon – Healthcare Portal**

Backend Engineer

Offline

Nov 2025

- Designed a secure and scalable **Node.js + MongoDB backend** with **JWT-based RBAC** and **Socket.io** for real-time patient-provider communication.
- **Smart India Hackathon 2024 – DDoS Mitigation System**

Finalist (College Level)

2024

- Built a Layer-7 DDoS mitigation system using **Redis queues** and a **Proof-of-Work** mechanism to filter malicious traffic before server processing.

ACHIEVEMENTS

- **Amazon ML Challenge 2025**: Selected among **Top 100 participants** nationwide and trained on core **machine learning concepts**, model building, and evaluation through structured problem-solving tasks.
- **Flipkart GRID 6.0**: Qualified as a **Semi Finalist** by solving competitive coding problems emphasizing **algorithmic thinking**.
- **Postman API Student Expert**: Earned certification by demonstrating proficiency in **API fundamentals**, REST principles, request validation, and automated testing workflows using Postman.