HARSH JOSHI

Electronics and Communication Engineering Student

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PROFESSIONAL SUMMARY

ECE student at NIT Jalandhar building full stack and AI-powered applications. Experienced in developing real-world products and integrating LLM-based features. Interested in backend systems, scalable architectures, and applying AI to real-world problems.

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, TypeScript
Frontend: React.js, Next.js, Tailwind CSS
Backend: Node.js, Express.js, REST APIs
Databases: MySQL, MongoDB, PostgreSQL
AI/ML: OpenAI API, LLM Integration, NLP-based query handling, ML Model Inference
Systems: Multithreading, Event-driven Architecture, WebSockets
Tools: Git, GitHub, Redis, Kafka

EDUCATION

Dr. B. R. Ambedkar National Institute of Technology (NIT), Jalandhar
Bachelor of Technology in Electronics and Communication
CGPA:8.68/10 | 2024-2028

PM SHRI Kendriya Vidyalaya No.1, Air Force Station Pathankot, Punjab
Class XII (Senior Secondary) [Board: CBSE]
Percentage 94.6% | 2023-2024

EXPERIENCE

Freelance Web Developer | Self-Employed | APRIL 2026

- Built and deployed a real estate platform (HavenHomes) for a client, handling end-to-end development.
- Improved Core Web Vitals and reduced load time using lazy loading and optimization techniques
- Developed backend APIs for lead capture and user interaction
- Integrated AI-powered assistant (Project Vienna) to enhance engagement and automation

PROJECTS

Project Vienna – AI-Powered Real Estate Assistant

Tech: React.js, Node.js, (AI/NLP tools)

- Built an AI-powered assistant for real estate queries and recommendations
- Designed backend APIs to process user queries and fetch relevant data dynamically
- Implemented a priority-based appointment system for admins to handle high-intent leads
- Improved user engagement through personalized responses and automation
- Live | Demo | Code

Distributed Settlement Engine for Predictive Markets (Present)

- Developing a high-performance system for concurrent financial transaction processing.
- Designed event-driven architecture using Kafka for real-time trade handling.
- Implemented multithreaded processing in C++ to ensure consistency under concurrency.
- Built REST APIs and WebSocket-based real-time market feeds.

ACHIEVEMENTS

- Solved 250+ algorithmic problems on LeetCode (Data Structures, Graphs, DP).
- Achieved Pupil rank (1373) on Codeforces by consistently competing in algorithmic programming contests. (Codeforces)