

Divyansh Jamwal

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EDUCATION

National Institute of Technology, Hamirpur
B.Tech in Computer Science and Engineering

Aug 2024 – Jun 2028
CGPA: 8.52/10

SKILLS

Languages: Python, C++, JavaScript, TypeScript, Solidity, SQL

Backend & Web: Node.js, Express.js, REST APIs, PostgreSQL, MongoDB, HTML/CSS, React

Blockchain: Solidity (EVM), Aptos Move, Smart Contracts, IPFS, Hardhat, Remix

Tools & Concepts: Git, GitHub, WebSockets, OAuth 2.0, bcrypt, Authentication & Authorization, API Design, Basic Backend System Design

PROJECTS

Team-Neura — Web3 Land Registry System

48-hr Hackathon

- Built a decentralized land registry addressing ownership ambiguity affecting \$200B+ disputed land in India.
- Developed **4 role-based smart contracts** using Solidity and Aptos Move (Register → Approve → Finalize → Transfer).
- Integrated IPFS for off-chain storage, reducing on-chain data costs by **90%+**.
- Indexed **100+ land records**, enabling ownership verification in **1 second**.

Thrifiers — Campus Marketplace Platform

- Built a full-stack marketplace tested with **120+ users**.
- Implemented real-time chat (WebSockets), handling **300+ messages**; optimized SQL queries improving response time by **30%**.

My Secrets — Secure Journal App

- Developed a privacy-focused web app used by **50+ users** with OAuth and hashed password authentication.

OPEN SOURCE & ACHIEVEMENTS

- Contributed **9+ merged pull requests** across Bitcoin, Lightning, and Nostr ecosystem projects (JoinMarket, Zeus Wallet, Alby Hub, Nostr Components).
- Improved **Windows developer experience** by fixing environment and dependency issues using **cross-env**.
- Implemented **accessibility improvements** (WCAG, ARIA) including keyboard navigation and screen-reader support.
- Awarded by the Education Minister of Himachal Pradesh for building a **500 microscope** with **0.3% error** compared to lab-grade models.
- Participated in **5+ national hackathons**, including HackOnHills and Electrothon.

LEADERSHIP & ACTIVITIES

Event Coordinator — E-Cell NIT Hamirpur

- Managed technical operations for a campus E-Sports event with **100+ participants**.

Core Volunteer — GDG Genesis, NIT Hamirpur

- Handled **stage operations and backend coordination**, including designing interactive games, creating event timelines, and managing on-ground technical flow.

Performer & Anchor — Pravah Dramatics Club

- Performed in **12+ street plays and stage events** addressing social issues.