

# Jaskirat Singh

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## EDUCATION

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### Bhagwan Parshuram Insitute of Technology

*Bachelor of Technology in Computer Science — CGPA: 8.686*

Delhi, IN

Aug. 2021 – Aug 2025

### Kendriya Vidyalaya

*High School — Percentage: 92.5%*

Shalimar Bagh, Delhi, IN

Apr. 2019 – May 2021

## EXPERIENCE

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### Blockchain Developer Intern

*ShardZ*

Aug. 2023 – Present

*Delhi, IN*

- Conducted research on existing decentralized video streaming platforms and protocols like IPFS, Pinata, LightHouse which can be used in project
- Developed, tested and deployed 4 smart contracts using Solidity, Truffle, Ganache, Sepolia TestNet
- Reduced video streaming network latency by 50% over existing platforms
- Reduced gas costs for transactions by 8% by implementing gas-efficient smart contract logic
- Used Libraries like Openzeppelin for NFTs, IPFS(lighthouse) for streaming, Push Protocol, Router Protocol

### Frontend Developer Intern

*TrozenWeb*

Aug. 2023 – Present

*Delhi, IN*

- Recreated the website for this NFT marketplace website on Reactjs using multiple assets
- Improved the loading speed of the website by 20%
- Increased the sales on website by 2x, with a better looking website
- Contributed 5K+ lines of code to an established codebase via Git

### Blockchain Educator

*DecentraClasses*

Aug. 2023 – Sep. 2023

*Remote*

- Created a course on the Basics of Blockchain with hands-on tutorials included
- Crisply clarified the concept with examples of real-world
- Coached the students in 1:1 and group sessions to resolve doubts and brainstorm new ideas
- Conducted research on study patterns of students through feedback forms

### Frontend Developer and Designer Intern

*World Robotics Organization India*

Oct. 2022 – Dec. 2022

*Remote*

- Improved layout and design of the website on Figma
- Developed new pages to add to the website
- Contributed 8K+ lines of code to an established codebase via Git
- Optimized the existing codebase by changing the design of pages
- Collaborated with team and timely reported to managers to ensure timely work using Notion and Github

## PROJECTS

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### OpinioNect | *Solidity, Express Server, React, Sepolia Testnet, Pinata IPFS, OpenAI API*

June 2020 – Present

- A website for taking the opinion of the public on an article, storing it on blockchain and then using AI to narrow it down to 10 comments solving the problem of biased media questions to the respective authority
- Developed a full-stack web application with MERN using News API and serving a REST API with React as the frontend
- Implemented blockchain using web3js for interacting with various variables and functions
- Minimized the risk of tampering with comments using blockchain
- Serve raw data from blockchain for developers and filtered data for media houses using API endpoints
- Ultimately Creating a consensus for media in the world

### Patients Records Dapp | *Solidity, Javascript, Tailwind CSS, Ganache, Git*

May 2018 – May 2020

- Developed a decentralized website for storing Patient records on IPFS
- using web3js for interacting with smart contract functions and variables
- Fetched articles 2.5x faster with dedicated gateways of Pinata IPFS

## TECHNICAL SKILLS

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**Languages:** Solidity, Hyperledger, Java, Python, C/C++, SQL (Postgres), Javascript, Rust, NoSQL  
**Frameworks:** React, Node.js, Django, Nextjs  
**Developer Tools:** Git, Visual Studio Code, Truffle, Ganache, HardHat, Cryptography, DSA, NFTs, LaTeX  
**Libraries:** mongoose, tkinter, web3js, open zeppelin  
**Soft Skills:** Leadership, Problem-Solving, Time Management, Teamwork, Effective Communication Skills

## RESEARCH WORK

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**AI Blockchain Integration** July 2023 – Present  
*Under Professor Charu Gupta* Delhi, IN

- Wrote a research paper and implemented it in a project OpinioNect(not published yet)
- Examined the use cases of Blockchain with AI and inspected its ease of use
- Surveyed the projects which are currently using AI and Blockchain simultaneously
- Formed a workflow used in our project

**Blockchain Lead** July 23 – Present  
*for ShardZ* Delhi, IN

- Literature Review for existing Decentralized Video Streaming Platforms and Protocols
- Examined the current use and drawbacks of loading speed in existing platforms like DTube

## HACKATHONS

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**GreenPill Hackathon** Kumta, Karnataka, IN  
*2nd Position in 100+ teams | National Hackathon*

**HackKRMU** Haryana, IN  
*Blockchain Track Winner in 28 teams | North India Level*

**Vihaan** Delhi, IN  
*Among 10 teams from 75+ teams | State Level*

**ETH India | Solana HackerHouse | HackAIThon | Smart India Hackathon** IN  
*Participated in these National Level Hackathons*

## POSITIONS OF RESPONSIBILITY

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**Community Management | Web Development Team | Hack Unicorn Club**  
*National Level Society | Managed 5+ events in Delhi, improved the website of Hack Unicorn Club*

**Blockchain Lead | Anveshan**  
*Mentored 200+ students in sessions conducted by the society*

**Council Member | NSCC BPIT**  
*Facilitated on-campus events, Composed posts for social media pages of society*

## EXTRACURRICULAR ACTIVITIES

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**PyDelhi Conf Volunteer** University of Delhi, Delhi, IN  
*Python Community: Official Python Delhi conference organized by the Python community*

**WRO Robcup Nationals Judge Volunteer** Delhi, IN  
*World STEM Organization: Robotics Competition for junior and senior school students*

**Top 10 in Shark Tank** Delhi, IN  
*Guru Gobind Singh Indraprastha University: Got Incubation for our startup idea*

**Speaker on Polkadot** Ardor 2.1, Delhi, IN  
*Polkadot Blockchain: Introduction and Projects of Polkadot and its Ecosystem*

**TBC Meetup volunteer** Gurgaon, Haryana, IN  
*The Builders Club: Founders and investors meet up to discuss new ideas and get funded*

**State Level Player Badminton Team** Delhi, IN  
*University & School Team: Represented School Badminton Team U-17 in KV Sports Meet Regionals*