

# Heemank Verma

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## WORK EXPERIENCE

### Timeswap.io | SDK & Frontend Developer

May 2022 - Present | 1.5+ years

- Restructured Frontend using Redux for better State Management and enhanced website stability and usability.
- Implemented advanced testing via Cypress and Jest, boosting software quality by 30%.
- Developed and executed the innovative Foundry Forge Testing approach for Peripheral Smart contracts, identifying and addressing security vulnerabilities, bolstering the integrity of re-deployment.
- Optimized Remote Procedure calls using multi-call algorithms, reducing redundancy by 70% and enhancing user experience.
- Engineered Git Hooks and CI/CD pipeline, resulting in 30% faster, rule-driven builds and improved project maintainability.
- Engineered Community Rewards system pooling from Twitter APIs, driving a 20% upsurge in application usage.
- Integrated error boundary with feedback logger (Sentry) for seamless website failure handling and automated developer alerts, resulting in a robust user feedback loop.

### Respect.io | Founding Member & Tech Lead

December 2021 - May 2022

- Played a pivotal role in devising business plans and developing the application utilizing NextJS, Figma and EthersJS to build the user interface and experience.
- Prepared Respect's DAO tooling system, managing a multidisciplinary team of developers and designers.
- Achieved a milestone with successful pre-seed and seed [funding](#) of over \$1M, participating in Tachyon 22 accelerator program. Expanded product visibility and usability through the Metaverse integration.

### PixySquare.com | Co-Founder & Tech Lead

August 2021 - December 2021

- Streamlined inter-team operational workflows to ensure lesser wait time and higher productivity.
- Managed teams of 5+ professional developers and designer leading to on time shipment of software for SMSE businesses.
- Understood SMSE market need for business website and developed 5+ Business Showcase website using VueJS and ReactJS.

### CodingNinjas | Teaching Assistant

June 2021 - August 2021

- Resolved 700+ doubts related to C++ and Data Structures and Algorithms.
- Taught and Mentored 40+ students in achieving respective weekly goals to complete the course.

## PROJECTS

### GS1 & MiDAS IIITD - Backend Development

Internal Software

- Led the transformation of Flask monolithic architecture into micro services through Docker-ization, optimizing server resource allocation.
- Introduced image bar code and object scanning using easy-OCR, leading to a notable 40% enhancement in overall detection capabilities.

### Escrow Based Payment Management Platform

[Github](#)

- Led the development of an escrow payment platform leveraging NextJS, EthersJS, AWS, and Moralis SDK, bagging a \$ 2000 win in Polygon Buidlit Hackathon 2022.
- Championed web 3 development and market study buoyed by a comprehensive 3-month States DAO mentorship, Supervised platform design and protocol integration.

### RareBiblio - An Orthodox Book selling platform

[Website](#)

- Led the development of a global customer facing ecommerce website leveraging CommerceJS, AWS, Zoho CRM and ThreeJS.
- Spearheaded the development of CI/CD pipelines for ordering engine and API services while also crafting a 3D Book Customization Software, upon release, increasing the bookings by 40%.

### Social Trading Platform

[Github](#)

- Prepared a social DeFi platform at ETHIndia 2022, leveraging NextJS, EthersJS, and Uniswap API for robust frontend development.
- Amalgamated third-party protocols such as Push protocol, Filecoin, and Covalent API, earning a collective \$1700+ accolade.

## SKILLS

### Computer Languages

TypeScript, JavaScript, Elm, Python, HTML, CSS, Java, C++, SQL, GraphQL

### Platforms & APIs

Google Cloud Platform & API, Firebase, Moralis, Infura, Docker, Telegram Bot APIs

### Databases

MySQL, PostgreSQL, MongoDB, Redis Cache, Neo4j, Ceramic Compose, ElephantSQL

### Libraries/Frameworks

NEXTJS, Redux, ReactJS, Flask, Django, ReactNative, ExpressJS, NodeJS, EthersJS, WebSockets

## AWARDS

**Pool-Bounty Winner**, EthIndia, India's Biggest Web3 Hackathon - AlkyneFi

December 2022

**Multi-Bounty Winner**, Polygon Buidlit Hackathon - RevereLabs

September 2022

**Multi-Bounty Winner**, EthIndia, India's Biggest Web3 Hackathon - CanvaSwap

December 2021

## LEADERSHIP AND COMMUNITY

**Club Coordinator**, Byld - Development Club of IIITD

July 2022 - July 2023

**Convener**, Blockchain Zero To One Workshop

May 2023

## EDUCATION

**Indraprastha Institute of Information Technology, Delhi**

January 2020 - July 2024

B.Tech (Computer Science Engineering) (CGPA - 8.16)