

# Surkhab Singh

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[LinkedIn](#) | [GitHub](#)

## EDUCATION

### Guru Tegh Bahadur Institute Of Technology

Bachelor of Technology in Computer Science, CGPA: 8.9

New Delhi, India

2020 – 2024

### Guru Harikrishan Public School, India Gate

Class XII, CBSE, Percentage: 86.83

New Delhi, India

2020

## TECHNICAL SKILLS

**Languages** : JavaScript , TypeScript , Python , C/C++ , HTML/CSS , SQL  
**Frameworks** : ReactJS , NodeJS , ExpressJS , Svelte , TailwindCSS , Material UI , ThreeJS , Vite , GraphQL  
**Tools** : MongoDB, Redis, RabbitMQ, PostgreSQL, OAuth, JWT, Redux, Jest, AWS, Kafka, Docker, Prisma, Nginx, shadcn , Zustand, TanStack Query

## EXPERIENCE

### Heimaverse

Full - Stack Developer

Remote

March'24-June'24

- Developed and optimized backend APIs, implemented secure authentication, integrated payment gateways, and ensured database efficiency for a high-performance betting platform using Node.js, PostgreSQL, Redis, RabbitMQ, and AWS.

### OptiPhoenix

Full - Stack Developer

Remote

June'24-Present

- Engineered backend systems to support CRO-driven strategies, implemented A/B testing frameworks, integrated analytics for data-driven insights, and optimized frontend performance to enhance user engagement.

## PROJECTS

### Owl | ReactJS , Go, Blockchain, TypeScript, TailwindCSS, MongoDB, IGDB API, Shadcn

[View Project Here](#)

- Created a system where each game purchase generates a unique NFT and license key.
- Introduced a powerful feature allowing users to resell purchased games with reusable licenses.
- Devised a robust proof-of-transaction mechanism, ensuring transparency and proof of ownership.

### Tutor Ai | ReactJS, Zerepy, Sonic Chain, NodeJS, MongoDB, Deepseek, Openrouter, Pydantic, Python [View Project Here](#)

- Developed an AI-powered agent that dynamically generated personalized lessons, quizzes, and gamified learning experiences based on user activity and preferences.
- Integrated adaptive learning algorithms and blockchain-based features to enhance accessibility, engagement, and security, combining AI precision with a user-friendly experience.

### JIM | An exercise encyclopedia | ReactJS, MaterialUI, AuthO, RapidAPI, Framer Motion

[View Project Here](#)

- Designed a web application aimed at promoting fitness and well-being. Established an effective interface allowing users to select exercises based on their targeted body parts, enhancing the personalization of their workout routines.
- Integrated a robust recommendation system, leveraging YouTube content to provide users with instructional videos tailored to their chosen exercises.

### Versus | A PvP browser minigame | JavaScript, GSAP, Three.js, Framer Motion

[View Project Here](#)

- Integrated GSAP for seamless and visually striking animations, enhancing the overall gaming experience.
- Utilized Three.js to create immersive 3D graphics, elevating the game's visual appeal within the browser environment.

## ACHIEVEMENTS

- Secured **1st place** among 12,000 participants at TezAsia 2k23 hackathon.
- Secured **2nd place** at Diamante Net Hackathon organized by Diamante Blockchain.
- Secured **1st position** at Hack7days hackathon organized by Tezos.