

# JYOTIRMOY KARMAKAR

## Software Developer

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Boulder - CO

in [Linkedin](#)

[Github](#)

[Leetcode](#)

## EXPERIENCE

### Junior Director - Website Design

#### AAEIO

Oct 2024 – Present Boulder, CO

- Managed the Marketing and Content Creation Team to achieve a 30% increase in customer engagement by arranging targeted campaigns
- Developed, optimizing and managing the entire website for the club along with integration with back-end for a smooth user experience

### Frontend Developer Intern

#### CLD-9

Sept 2024 – Present Boulder, CO

- Streamlined integration processes between front-end and server-side logic, enabling faster feature deployment cycles
- Optimized website performance through lazy loading, code splitting, and caching strategies, reducing load time by 45% and improving Core Web Vitals scores by 60%

### Software Developer Intern

#### ITJOBXS

Dec 2023 – Mar 2024 Remote

- Collaborated with a team of 6 developers for creating mobile responsive UI/UX, improving user retention by 15%
- Created enhanced authentication, reducing bots by 20% and fake posts by 10%, boosting platform privacy and trust
- Integrated Recaptcha, cutting spam by 35% and enhancing user experience by 20%, improving user satisfaction

### Frontend Development Intern

#### StreaX

Jan 2023 – Apr 2023 Gurgaon, India

- Streamlined operations, communicated with cross-functional teams, converting Figma to end-to-end web product, reducing development time by almost 20%
- Led the integration of front-end designs with backend databases and smart contracts, ensuring data consistency and reducing data breaches by 30%
- Guided the deployment of the application to AWS and scaled the application to adapt to 10,000 users simultaneously

## ACHIEVEMENTS

- Led and coordinated research of 3 co-authored papers on applications of blockchain in energy and justice systems and drug authenticity
- Awarded 1st prizes for HackOnBlocks, Video JAM & Data-verse hacks, BUIDL runner-up, 4th rank in Algorand Hack House & EthforAll pool winner
- Collaborated with blockchain experts on advanced projects, leading to almost 50% increase in technical abilities

## EDUCATION

M.S. (Computer Science) - 4.0 GPA

University of Colorado - Boulder

2024 – 2026 Boulder, Colorado

B.Tech. (CSE) - 9.09 CGPA

Kalinga Institute of Industrial Technology

2020 – 2024 Bhubaneswar, Odisha

Higher Secondary - 84.0%

Delhi Public School

2020 Duliajan, Assam

## TECHNICAL SKILLS

- Programming Languages
  - HTML, CSS, JavaScript, TypeScript
  - Solidity
  - C++ (Data Structures & Algorithms)
- Frameworks & Libraries
  - ReactJS, NextJS, NodeJS
  - MongoDB, Prisma, SanityIO
  - Chainlink, Infura, IPFS
  - Daisy UI, Tailwind CSS, Material UI
- Version Control & Tools
  - Git, GitHub, AWS, Docker, CI/CD

## PROJECTS

### BlockRide

NextJS | Tailwind CSS | Firebase | SuperFluid

- Directed the integration of BlockRide with SuperFluid SDK to create a secure, real-time crypto streaming solution for ride-sharing, boosting payment security by 40% & reducing transaction time to near zero [Github](#)

### Bliss

NextJS | Docker | MongoDB | NgRock | Stripe

- Devised an AI-driven NFT marketplace generating trend-based NFTs. Integrated a novel card payments system and increased transaction speed by 40%, notably improving user experience [Github](#)

### RPSLK

NextJS | Shadcn UI | Tailwind CSS | AWS EC2 | AWS Route53 | Caddy

- Led the development of a secure game of Rock-Paper-Scissor-Lizard-Spock using cryptographic random number generators, achieving near 100% hack-proof status [Github](#)