

# Nirzon Taru Karmakar

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## EXPERIENCE

### Frontend Intern

June 2024 – Present

*BharatX*

*Bangalore, India*

- Solely responsible for maintaining and enhancing the BharatX Web SDK product for Pay in 3 and Pay in X, ensuring seamless functionality and user experience.
- Developed and implemented custom widgets for over 50+ merchant partner websites to improve integration and performance.
- Implemented account aggregator-mandated changes to maintain compliance and secure ongoing partnerships.
- Addressed and resolved over two years of accumulated technical debt, improving the codebase's stability and efficiency.

## PROJECTS

### ScholarNotion - A full stack Ed tech platform | *NextJS, Bun, Hono, MongoDB, AWS*

 GitHub

- Built a full-stack educational platform with role-based authentication, SSR, payment integration, and robust search, boosting user engagement
- Created a sleek, responsive UI with animations using Next.js, Framer Motion, and TailwindCSS, enhancing user satisfaction
- Deployed on AWS with SSL certification, ensuring scalability and security for 50,000+ concurrent users during peak hours
- User based authentication and authorization

### taterDash - A food delivery web app | *NextJS, Bun, Express, MongoDB, Docker*

 GitHub

- Developed a full stack food delivery platform using Next.js for the frontend and Bun (a runtime environment similar to Node.js) with Express.js and MongoDB for the backend
- Integrated user authentication via JSON Web Token and Bun's password hashing for security
- Enabled Redux with React components to facilitate predictable and synchronized data flow for user cart
- Achieved a score of 97+ in lighthouse across all pages and routes with server side rendering and accessibility optimizations

### GDisk - Inspired by Google Drive | *ReactJS, Firebase SDK, Redux Toolkit, TailwindCSS*

 GitHub

- Created a Google Drive clone using React.js with TypeScript for the frontend and Firebase SDK for the backend
- Implemented user authentication through Firebase Authentication, leveraging Google sign-in capabilities
- Utilized Firebase Firestore for data storage and real-time updates, with a storage limit of 100 MB per user
- Integrated Tailwind CSS and shadcn/ui for responsive design and UI components, enhancing user experience

## EDUCATION

### NIMAS, affiliated to MAKAUT (9.63 CGPA)

Kolkata, West Bengal

*Bachelor of Computers Application*

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, HTML, CSS, Java

**Frameworks:** React.js, Next.js, React Native, Expo Tailwind CSS, Express, Node.js

**Developer Tools:** Git, Docker, AWS - Amazon Web Services

**Libraries:** Framer Motion, GSAP

**Databases:** MongoDB, PostgreSQL

## ACCOMPLISHMENTS

### Geekathon - 1st Place

Geekster

*Led Team Boat and won first place*

*Leader*

### Coding Webinar

NIMAS

*Hosted multiple webinars for freshers during COVID*

*Host*