# NILADRI HAZRA

## Full Stack Developer

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## SUMMARY

As a Software Engineer specializing in the MERN stack, Developed and deployed full-stack web applications using the MERN stack, leading to a reduction in development time by 30% for new project launches during internship period.

## EXPERIENCE

### Software Developer (Intern)
**Long Term Collab**

📅 05/2025 - Present
📍 Remote, India

- Full-Stack Instagram SaaS: Engineered a full-stack Instagram automation platform (ChatoMeta) using Next.js, React, Node.js, and MongoDB. Reduced manual work for creators by automating DMs, comments, and story interactions.
- Advanced Automation Engine: Developed robust automation for posts and stories with keyword triggers, conditional logic (follow-gating), and a unique "backtrack" feature to engage past commenters.
- Designed and implemented a subscription-based monetization system with Razorpay, leading to a 40% conversion rate from free to paid users.
- Gamified User Engagement: Designed and built an "Influencers Premier League" (IPL) with a dedicated admin dashboard, user registration, task submissions, and a points-based leaderboard to drive user activity.
- Scalable Architecture: Leveraged Redis for caching API responses and database queries, ensuring high performance and scalability for all users.

### Full stack Engineer (Intern)
**Eastern Coalfields Limited**

📅 06/2024 - 08/2024
📍 Kolkata, India
🔗 *Live Link*

- Developed a full-stack web application using the MERN stack to enable ECL   employees to schedule appointments with doctors in ECL hospitals
- Implemented responsive UI for easy navigation and booking
- Integrated backend APIs for seamless data management and real-time appointment scheduling
- Ensured security measures for user data, adhering to company policies and regulations
- Collaborated with a cross-functional team to deliver the project on time, significantly improving healthcare access for employees

## KEY ACHIEVEMENTS

### Improved Code Efficiency
Reduced page load times by 20% using modern ES6 techniques.

### Enhanced Healthcare Access
Increased appointment scheduling efficiency by 40% with the Upgraded web app.

### Ensured Data Security
Secured user data and logged 0 breaches during internship project.

### Accelerated Project Launches
Decreased development time by 30% through effective full-stack deployment.

## EDUCATION

### Techno Main Salt Lake
B.Tech in Computer Science Specialization in AIML

📅 09/2022 - 06/2026  📍 Kolkata, India

*CGPA - 8.45*

## PROJECTS

### Ginie AI

📅 04/2025  Present          *Live Link*

- Conceptualized Ginie, an AI-driven movie discovery application utilizing React Native and Expo, achieving 150+ downloads, incorporating features such as intelligent suggestions and smooth UI/UX animations to improve user experience.
- Architected Ginie's recommendation engine using Appwrite Cloud and TMDB API, delivering personalized movie suggestions, resulting in 75% user engagement with suggested content within the first week after launch.

### CodePixel

📅 02/2025  Present          *Live Link*

- Engineered CodePixel's code-sharing system, enabling real-time collaboration among users, and improving system performance by 30% using optimized Firebase queries as the most junior team member.
Architected CodePixel, a Next.js competitive programming platform, integrating real-time syntax highlighting across 15 languages and Firebase secure storage, achieving 200+ user sign-ups within the first month of launch.

### AI Tools Web Application

📅 10/2024  Present          *Live Link*

- Architected a responsive user interface using Next.js and Tailwind CSS, integrating five external APIs for real-time data processing, leading to a 15% improvement in user engagement metrics
- Pioneered a suite of four AI-powered content creation utilities, including background removal, text-to-speech, and summarization tools, reducing content creation time by an average of 30 minutes per task

### Multiplayer Chess

📅 01/2025  03/2025          *Live Link*

- Orchestrated the front-end design for a real-time chess platform, employing Next.js and Tailwind CSS to ensure a responsive user experience, resulting in a 90% user satisfaction rating based on initial surveys
- Engineered a serverless, real-time chess platform leveraging Next.js and Tailwind CSS, enabling instant gameplay through unique code generation, attracting 100 active users within the first week after launch