

Salil Lakra

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About Me

Full Stack Developer building scalable web and mobile applications using Next.js, React Native, Node.js, and TypeScript. Experienced in designing REST APIs, authentication systems, real-time features, and high-traffic event platforms. Strong foundation in data structures, system design, and modern web performance optimization.

Education

Birla Institute of Technology, B.Tech in Electronics and Communication Engineering Aug 2024 – May 2028

DAV Public School, Gumla, Higher Secondary Education (CBSE) April 2021 – May 2023

Experience

Full Stack Developer, Betiyan Nidhi Pvt. Ltd. – Ranchi Feb 2025 – Present

- Developed Android applications using React Native for both customers and field agents, improving accessibility and operational efficiency.
- Designed and implemented a scalable backend server using Node.js to support growing user demand and maintain high availability.
- Optimized database queries and API performance, significantly reducing response latency and improving application responsiveness.
- Designed structured database schemas to support complex financial workflows while maintaining data integrity and consistency.

Projects

Pantheon Techfest Website *Next.js, TypeScript, Tailwind CSS, PostgreSQL*

Developed the official website for BIT Mesra's Pantheon Techfest serving **8K+ users** during live events. Implemented real-time leaderboards and live scoring, secure user validation, and optimized performance for high traffic scenarios across devices.
github.com/salillakra/Pantheon-2k25
pantheon25.com

E-Summit 26 Website *Next.js (App Router), TypeScript, Tailwind CSS, Supabase*

Built the official platform for E-Summit 26 with dynamic event pages, speaker profiles, and an authenticated admin dashboard. Implemented Supabase-backed APIs, OAuth authentication, and real-time chat features. Successfully handled **11K+ page views** during the live event.
github.com/EDC-BITM/e-summit26
esummit.edcbitmesra.in

RoboSaga Website *Next.js (App Router), TypeScript, Tailwind CSS, PostgreSQL, Drizzle ORM*

Developed the official website for RoboSaga robotics competition with dynamic event pages and structured competition data. Built scalable backend APIs using PostgreSQL and Drizzle ORM and ensured stable deployment during peak traffic. Successfully handled **8K+ page views** during the live event.
github.com/Pratyunmis/robosaga26
robosaga.robolutionbitm.in

MetaMind *Next.js, MongoDB, Role-Based Authentication*

Developed a full-stack blogging platform with secure authentication, role-based authorization, rich-text editing, and image uploads. Designed REST APIs and database schemas to support scalable content creation and management.
github.com/salillakra/metamind

Technologies

Languages: JavaScript, TypeScript, Python, C, C++, SQL

Frontend: React, Next.js, React Native, Tailwind CSS, Framer Motion

Backend: Node.js, Express.js, Hono, REST APIs, WebSockets, Authentication

Databases: PostgreSQL, MongoDB, MySQL, Firebase Firestore

Tools & Platforms: Git, Docker, Linux, Supabase, Firebase

Languages

English (Fluent), Hindi (Native)