

HARSH PRAKASH

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PROFESSIONAL EXPERIENCE

Shristi-NERIST

Itanagar, AP

Web Developer

03/2024 - 04/2024

- Designed and developed the Shristi-NERIST website using the MERN stack, resulting in a 30% increase in event registrations.
- Built dynamic and responsive UI components with React.js and styled them using Tailwind CSS, improving user engagement by 25%.
- Developed a RESTful API with Node.js and Express.js, handling 50+ concurrent requests, for efficient event registrations and real-time updates.
- Integrated MongoDB for efficient data storage and retrieval, ensuring smooth event management with zero data loss.

EDUCATION

North Eastern Regional Institute of Science and Technology

Itanagar, AP

B.Tech., ECE

06/2023 - 07/2027

- CGPA: 8.52/10.0

VSEC

Kanpur, UP

Secondary Education

04/2020 - 03/2021

PROJECTS

SplitX

- A bill-splitting application designed to simplify expense sharing among users. Built using React for the frontend and Spring Boot for the backend, it features:
 - * Secure Authentication: Uses JWT for user login and access control.
 - * Dynamic Bill Splitting: Real-time calculations to divide expenses among group members.
 - * Database Integration: Stores and retrieves data using SQL for structured data management.
 - * RESTful APIs: Ensures smooth communication between frontend and backend.
- Handled an average of 20+ transactions per day, reducing bill-splitting time by 40%.

Nerist Media Club Website

- An interactive website built for managing content, event updates, and community engagement, using:
 - * Frontend: Developed with React.js and styled using Tailwind CSS for a modern UI.
 - * Backend: Powered by Node.js with Firebase Authentication for secure user logins.
 - * Database: Uses Firestore for real-time data updates and efficient content management.
 - * Features: Includes event posting, media uploads, and user interactions.
- Increased website traffic by 60% within the first month and supported 500+ users.

BeatBuddy

- A real-time music-sharing web application enabling synchronized playback and live chat, implemented with:
 - * Real-Time Communication: Uses WebSockets to synchronize music playback across users.
 - * Music Streaming: Integrates YouTube API to fetch and stream music.
 - * Backend Database: Built with Node.js, Express.js, and MongoDB for efficient session management.
 - * Interactive UI: React-based frontend ensuring smooth user experience.
- Achieved 99% synchronization accuracy across 20+ concurrent users, with an average latency of 50ms.

TECHNICAL SKILLS

Java & Spring Boot
Node.js & Express.js
Git & GitHub

React.js & Next.js
SQL & MongoDB
RESTful APIs & WebSockets