

CHITRANJAN KUMAR GUPTA

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EDUCATION

Bachelor of Computer Application 2021 – 2024
Guru Nanak College, Dhanbad, Jharkhand, India

Intermediate of Science 2019 - 2021
College Commerce, Arts and Science, Patna, Bihar, India

PROJECTS

ShikshaSetu - Autofill & AI Webextension [↗](#) 2025

- Built a solution using React with a Laravel backend, integrating Chrome and Firefox extensions for autofill data management (addresses, emails, payment details) stored locally via IndexedDB.
- Implemented an offline-first approach by utilizing IndexedDB to store autofill data, ensuring functionality even without an internet connection.
- Automated form completion with an autofill feature, reducing manual data entry and enhancing user efficiency across websites.
- Enabled cross-browser and device synchronization, ensuring consistent autofill performance and data across Chrome, Firefox, and multiple devices.
- Created a user-friendly dashboard for managing, updating, and deleting autofill entries within the extension, with data stored locally in IndexedDB for offline access.
- Optimized AI chat functionality, storing interactions in IndexedDB for offline use, while integrating cloud-based (OpenAI, DeepSeek, Gemini, Meta) services for fast, responsive communication when online.

ShikshaSetu - Online Learning Management System [↗](#) 2024

- Utilized Next.js and TypeScript for frontend development, Laravel and PHP for backend development, and MySQL for database management.
- Leveraged expertise in React Native and Expo to deliver a seamless mobile app experience.
- Configured user roles and permissions for secure access.
- Introduced course creation, editing, management, and content delivery.
- Integrated a progress tracking system for students and instructors.
- Led a team of 5 to deliver this system.

ColdBreez - News Management System [↗](#) 2023

- Technical stack includes Next.js and TypeScript for client-side development, incorporated with Sanity Content Management System for content management.
- Created a interface for viewing news articles across various categories.
- Harnessed Next.js's Server Side Generation for Search Engine Optimization and performance.
- Engineered a sanity plugin for embedding social media content on the page.
- Enabled users to receive notification for new posts.

TECHNICAL SKILLS

Programming Languages: C++, C, JavaScript, Typescript, HTML, CSS, PHP, Solidity, Java, Python, SQL

Libraries & Frameworks: Laravel, Express.js, React, Node.js, Next.js, Tailwind CSS, React Native

Databases: MySQL, MongoDB

Tools & Platforms: Visual Studio Code, Postman, Git, Github, Netlify, Vercel, Render, Wordpress, Chatgpt, Docker

CERTIFICATIONS

- **Blockchain and its Applications - NPTEL** [↗](#)
- **C - Spoken Tutorial** [↗](#)