

YUGAM VERMA

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PROJECTS

Splitify - The Expense Tool

ReactJS, NodeJS, MongoDB, ExpressJS

- Developed a comprehensive full-stack cost management application using the MERN stack (MongoDB, Express, React, Node.js) and Redux. Redux increased state management efficiency by 30%.
- Using sophisticated algorithms and middleware, user-centric features were designed for group creation, member addition, and real-time expense splitting, resulting in a 40% improvement in balance checks and settlements.
- Middleware was implemented to optimize server-side processes, guaranteeing safe and easy user group transactions.

EdTech - Study Notion

ReactJS, NodeJS, MongoDB, ExpressJS

- Course Management : Enabled instructors to create, publish, and manage courses, improving efficiency by 70%.
- Student Enrollment and Purchasing: Allowed students to browse, purchase, and track course progress securely, enhancing user satisfaction by 65%.
- Optimized State Management: Utilized Redux with Thunk middleware, achieving 80% more efficient data handling.
- Responsive and Secure: Developed a user-friendly interface with secure payment gateways using Razorpay API for seamless payments and responsive design, increasing mobile user engagement by 75%.

Music Library

NextJS, TypeScript, Aceternity UI

- Modern UI Design: Implemented Tailwind CSS and Aceternity UI components, resulting in a 90% improvement in user interface responsiveness and aesthetics.
 - Next.js Routing: Leveraged Next.js for efficient and intuitive routing, improving navigation speed and user experience by 75%.
 - Component Reusability: Designed reusable UI components, ensuring 80% consistency and maintainability across the application.
 - Responsive Design: Achieved a fully responsive layout, enhancing user experience across devices by 85%.
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EDUCATION

Bachelor of Engineering in Computer Science

2021 - 2025

- Chitkara University , Rajpura

CGPA - 8.6

ADDITIONAL INFORMATION

- **Programming Languages:** JAVA, Python, C/C++, HTML5, CSS3, JavaScript(ES6+), TypeScript
 - **Libraries / Frameworks:** TailwindCSS, Nodejs, React JS, Express, Nextjs, Redux, Recoil
 - **Database:** MongoDB, PostgreSQL
 - **Developer Tools:** Git, VS Code, Docker, IntelliJ, PyCharm
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ACHIEVEMENTS AND CERTIFICATIONS

- Solved 900+ DSA questions across different platforms like **LeetCode**, **GeeksForGeeks**, **CodeStudio** and **CodeChef**.
 - Certificates: **Python Excellence** , **C++ Excellence** , **Infosys** , **Cisco** , **JavaScript**, **CourseraDSA**.
 - Completed 100 days **Advance Data Structures and Algorithms** Coding Challenge on **LinkedIn**.
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CURRENTLY BUILDING

Next E-com

NextJS, ShadCn UI, MongoDB, Zod, NextAuth, CronJobs, WebSockets, Recoil, Cloudinary

- Custom user authentication with NextAuth and CredentialsProvider.
- Solid confirmation of data with Zod.
- Cron jobs for scheduling chores and web sockets for real-time chat with admin's.