Prashant Yadav

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EXPERIENCE

ATOMXEL | SDE Intern
July 2024 – Present | Noida, Uttar Pradesh

- Engineered and deployed scalable **RESTful APIs** with the **MERN** stack, enhancing data retrieval speed and user experience.
- Led **cross-platform app development** with **React Native**, **Next.js** and **Typescript** for flagship projects, boosting performance and user engagement as well as experience.
- Optimized **PostgreSQL** schemas by deriving only necessary data columns and using relational model associations and indexing, achieving **40-55% faster** query performance for managing **10,000+ products** in a high-traffic B2B application.
- Implemented a **tree-based hierarchical** category system (L1, L2, L3) for product browsing, combined with granular **category-based access** control to enable personalized content delivery based on **user roles** and subscriptions.
- Integrated a **ticket and inquiry-based chat system**, providing users with **timely notifications** for product or message updates, enhancing customer support responsiveness and streamlining issue resolution processes.

PROJECTS

MERGE | MERN Stack, WebRTC | Github

- Developed a multi-user video calling platform with **real-time chat** with **interactive whiteboard** and **screen sharing** functionality.
- Integrated **Google Cloud Speech-to-Text API** for live meeting transcription, enabling detailed transcripts for better record-keeping and accessibility.
- Optimized platform for **low latency** by using UDP for media transmission and adjusting video quality based on network conditions to reduce buffering.

BOOKSTORE APP | MERN Stack | Github | Demo

- Developed a **MERN stack** bookstore app with **dark mode** and **Tailwind CSS**, incorporating **OAuth** for user authentication and responsive cross-device access.
- Developed **RESTful APIs** using **Node** and **Express** to handle client requests and interact with a **MongoDB** database to handle seamless addition and retrieval of books.

CINEPASS | (Backend Focused) MERN Stack | Github

- Enabled users to **filter** and search events by category, location, date, and time for easier navigation.
- Provided access to **booking history** and digital tickets in user profiles for seamless event management.
- Added **discount codes** at checkout, supporting offers and boosting user engagement.
- Implemented notifications for event reminders, ticket updates, and exclusive offers to keep users informed and engaged.

EDUCATION

GALGOTIAS UNIVERSITY
Bachelor of Technology in Computer Science and Engineering with specialization AI & ML
Expected July 2025 | Greater Noida, Uttar Pradesh

SKILLS

PROGRAMMING
Python • C++ • JavaScript

TECHNOLOGY
React.Js • Next.Js • Node.Js
Express.Js • Redux • React Native
Tailwind CSS • Networking Protocols
(HTTP, TCP/IP, WebSocket) • HTML/CSS

DATABASE
PostgresSQL • AWS
MYSQL • MongoDB

TOOLS
Git/Github • Postman
VS Code • Windows

CERTIFICATION

- **Zscaler Cloud and Network Security** - Learned to secure cloud applications and networks, focusing on threat prevention, secure access, and data protection. **(Link)**
- **Introduction to Networking and Cyber Professional** - Gained foundational knowledge in networking, security protocols, threat detection, and cyber defense. **(Link)**
- **Google for Developers: Android Mobile App Development** - Learned Android app development in Kotlin, emphasizing app functionality, user interaction, and efficient data handling. **(Link)**

LINKS

Github: **Prashant's Github**
LinkedIn: **Prashant's LinkedIn**