KARAN YADAV

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EDUCATION

I. K. Gujral Punjab Technical University <div align="right">Jul 2023</div>
Bachelor of Technology in Computer Science and Engineering <div align="right">*Jalandhar, Punjab*</div>

Kendriya Vidyalaya No. 4 <div align="right">Mar 2018</div>
XII | Non-Medical (CBSE) <div align="right">*Jalandhar, Punjab*</div>

Kendriya Vidyalaya No.4 <div align="right">Mar 2016</div>
X (CBSE) <div align="right">*Jalandhar, Punjab*</div>

PROJECTS

Snapzy - Social Media Platform | *React.js, Redux Toolkit, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.IO*
- Developed a full-stack social media platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) with 5+ key features, enabling seamless user connectivity through posts, comments, messaging, and real-time interactions.
- Designed and deployed scalable **REST APIs** using **Node.js** and **Express.js**, ensuring high performance and security with **JWT authentication**.
- Implemented **real-time notification** and **chat** functionality using **Socket.IO**, enabling instant updates on likes, follows, and seamless communication between users, enhancing engagement.
- Built dynamic UI components with **React.js**, **Redux Toolkit**, and **Tailwind CSS**, improving user experience and design consistency.
- Designed a personalized feed to display posts from followed users, integrating follow/unfollow functionality, double-tap likes, comments, and bookmarks to boost user engagement.
- **Live Link** | **GitHub**

WriteIt. - Blog Application | *React.js, TanStack Query, Express.js, Tailwind CSS, MongoDB, Node.js, Redux Toolkit*
- Developed a full-stack blog application using the MERN stack, with features including code syntax highlighting, cover image upload, and save-for-later, enabling users to create, read, and bookmark blog posts seamlessly.
- Implemented full **CRUD** functionality for blog posts with **JWT-based authentication and authorization**, ensuring only the author can edit or delete their posts.
- Developed a dynamic and responsive UI using **React.js**, **Tailwind CSS** ensuring consistent design across all devices and enhancing the user experience.
- Implemented **TanStack Query** for efficient data fetching and server-side mutations, optimizing API calls, reducing server load, and enhancing the performance.
- **Live Link** | **GitHub**

TECHNICAL SKILLS

Frontend: HTML, CSS, JavaScript (ES6+), React.js, Redux Toolkit, Tailwind CSS
Backend: Node.js, Express.js, Mongoose, Socket.IO, Authentication (JWT), REST API, MVC Architecture
Database: MongoDB
Tools: Git, GitHub, Postman, npm, VS Code, ESLint, Prettier

CERTIFICATIONS

Advanced React | Meta (Coursera) | Sep 2024
Developing Back-End Apps with Node.js and Express | IBM (Coursera) | Jan 2025
Programming with JavaScript | Meta (Coursera) | Aug 2024
React Basics | Meta (Coursera) | Jul 2024