

Prem Kumar Singh

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EDUCATION

- **Vellore Institute Of Technology** Vellore, India
• *Bachelor of Technology - Information Technology; CGPA: 9.54* *August 2021 - June 2025*
• *Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Computer Networks, Database Systems*

SKILLS SUMMARY

- **Languages:** C++,Python, Java, Javascript, SQL
- **Frameworks:** ReactJS, ExpressJS, NodeJS, Bootstrap
- **Tools:** MongoDB, MySQL, GIT
- **UI Tools:** ChakraUI, MaterialUI, AntChartDesign
- **Soft Skills:** Leadership, Event Management, Writing, Time Management

EXPERIENCE

- **ViTrendz Tech** <https://skill-trekker.vercel.app>
• *Fullstack Web Developer* *Jan 2023 - May 2023*
 - **SkillTrekker (ReactJs, Material UI, Firebase Auth, Firestore, Echarts):** A Roadmap WebApp for various tech domains. Developed an interactive frontend utilizing ReactJS and MaterialUI, incorporating Firebase for authentication. Stored Data into Firebase's Firestore. Used ECharts by Apache for user profile analytics

PROJECTS

- **MemoMate - ReactJs, Vanilla CSS, MongoDB, NodeJs, ExpressJs** <https://memo-mate.vercel.app/>
 - Developed a robust and user-friendly React application utilizing HTML, CSS, ReactJs, ChakraUI, and MaterialUI, to provide a seamless and intuitive note-taking experience.
 - Integrated MongoDB and ExpressJs to establish a secure and efficient backend, enabling real-time data storage and retrieval for MemoMate, Deployed the Express server on Render
 - Independently designed and implemented key features for MemoMate, including seamless user authentication using Auth0, responsive UI components, and data synchronization.
- **CarbonSense - ReactJs, Vanilla CSS, MongoDB, NodeJs, ExpressJs, AntDesignChart**
 - Developed CarbonSense, a React application created during the YantraHack'23 hackathon, utilized HTML, CSS, ReactJs, and Flask to architect and implement the application, creating an intuitive user interface that empowers users to calculate and track their carbon footprint with ease.
 - Collaborated with a small team during YantraHack'23 and effectively connected the ML model with the React frontend through a Flask API within the hackathon timeline.
 - Used AntChartDesign to create visually appealing graphs of carbon footprint data fetched from the ML model, also used Firebase for user authentication.
- **ChoiceMatrix - ReactJs, Vanilla CSS, ChakraUI, MaterialUI**
 - Developed the frontend for ChoiceMatrix, a React app for DevSoc'23 hackathon. Enabled startups/organizations to optimize revenue/efficiency through dynamic voting system. Utilized ReactJs, MaterialUi for frontend.
 - Created a user-friendly interface for a voting system that allows startups/organizations to optimize revenue and efficiency by adjusting vote weights based on quarterly performance metrics.

PUBLICATIONS

- **Book: Artificial Intelligence and Voice Assistants:** Royal Book Publishing (June '22)
 - **Contributed a chapter titled: Voice Assistant The Future Of Artificial Intelligence (pages 235-243):**

HONORS AND AWARDS

- Made it to the top 15 teams out of 1300 participants in the final pitching round of YantraHack'23 - June, 2023