Prem Kumar Singh

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EDUCATION

- **Vellore Institute Of Technology**   Vellore, India
  Bachelor of Technology - Information Technology; CGPA: 9.55   *August 2021 - June 2025*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Computer Networks, Database Systems*

SKILLS SUMMARY

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

EXPERIENCE

- **Clinigo**   **Certificate**
  Backend Developer Intern   *Aug 2023 - Nov 2023*
  - **FHIR**: I played a key role in developing a data conversion package in Javascript for medical data into FHIR(Fast Healthcare Interoperability Resources) format, meeting NRCES standards. This project demanded a deep understanding of healthcare data structures and FHIR specifications.

- **Valsco Technology**   **Certificate | LOR**
  Frontend Web Developer Intern   *Aug 2023 - Sep 2023*
  - **Team Lead**: Frontend Developer and Team Lead at Valsco Tech, guided and lead a team of interns in the successful development and delivery of client-side solutions for our clients. Developed Frontend in ReactJs, TailwindCSS and MaterialUI for our clients.

PROJECTS

- **SkillTrekker - ReactJs, Material UI, Firebase Auth, Firestore, Echarts**   https://skill-trekker.vercel.app
  - Created a web application designed to offer comprehensive roadmaps for various technical domains. It provides users with a guided path to navigate and progress in their chosen domains. Developed an interactive frontend utilizing ReactJS and MaterialUI, incorporating Firebase for authentication.
  - Employed Firebase's Firestore to efficiently store and manage user information and progress data for each technical roadmap, ensuring data integrity and scalability.
  - Utilized ECharts by Apache to create visually engaging progress visualizations for users, enhancing their understanding and motivation to progress within their chosen domains.

- **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.

- **HackBattle - ReactJs, TailwindCSS, MongoDB, NodeJs, ExpressJs**   https://hackbattle.ieeecsvit.com/
                                                                       Github Repo
  - Engineered and developed the frontend for HackBattle, a prestigious hackathon event hosted by IEEECS-VIT, with participation from over 1000+ attendees. Collaborated closely within a team of 4 to create an engaging user interface using ReactJs and TailwindCSS.
  - Integrated APIs into the Registration page to seamlessly store registration data, enabling participants to register as either team members or leaders. Implemented a dynamic team change feature to enhance the event's flexibility.
  - Collaborated within a team of 2 to build backend APIs using Express and MongoDB.

PUBLICATIONS

- **Book: Artificial Intelligence and Voice Assistants**:   Royal Book Publishing ISBN: 9789391131296   June 2022
  - **Contributed a chapter titled: Voice Assistant The Future Of Artificial Intelligence (pages 235-243)**:

CERTIFICATIONS

- **Microsoft Certified: Azure Administrator Associate (AZ-104)**   **Certificate**

- **AWS Certified Cloud Practitioner (CLF-02)**   **Certificate**