

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, 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.iiieecsvit.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 (June '22)
 - Contributed a chapter titled: **Voice Assistant The Future Of Artificial Intelligence (pages 235-243):**

CERTIFICATIONS

- Microsoft Certified: Azure Administrator Associate (AZ-104)** **Certificate**
Dec 2023
Earned Azure Administrator Associate certification by showcasing expertise in Azure identity, governance, storage, compute, networking, and resource management.