# Prem Kumar Singh

Linkedin: linkedin.com/in/pr3mkum4r/
Github: github.com/Pr3mKum4r

Email: premkumarsingh410@gmail.com
Mobile: +91-9326330679
Portfolio: pr3mkum4r.vercel.app

## 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, Typescript
- **Frameworks**:    ReactJS, React Native, ExpressJS, NodeJS, Bootstrap, TailwindCSS, Flask
- **Tools**:            GIT, Postman
- **Databases**:      SQL, MongoDB, Firestore, Prisma
- **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

- **TerraChat**                                                        **Hosted Link**
  *ReactJs, TailwindCSS, PrismaORM, MongoDB, Azure AI, SocketIO, Typescript*
  - Developed TerraChat, a cutting-edge chat application designed to facilitate seamless communication between users speaking different languages. The frontend was crafted using ReactJs and styled with TailwindCSS for a responsive and modern user interface.
  - Utilized PrismaORM with MongoDB for efficient database management, ensuring robust and scalable storage solutions for user data and chat history. Used ExpressJs and SocketIO on the backend to support real-time messaging capabilities, allowing for instant and concurrent communications across the global user base.
  - Integrated Azure Cognitive AI translation API to provide instant chat translations, enabling users to communicate without language barriers, thus enhancing the global usability of the application. Adopted Typescript for the entire project to enforce type safety, resulting in more reliable code and a significant reduction in runtime errors.

- **SkillTrekker**                                                     **Hosted Link**
  *ReactJs, Material UI, Firebase Auth, Javascript, Firestore, Echarts*
  - 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**                                                         **Hosted Link**
  *ReactJs, Vanilla CSS, Javascript, MongoDB, NodeJs, ExpressJs*
  - 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**                      **Hosted Link | Github Link**
  *ReactJs, TailwindCSS, MongoDB, NodeJs, ExpressJs*
  - 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**