

PRINCE KUMAR

Mohali, Punjab | +91 8292222569 | psr8084@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

CT University, Ludhiana, Punjab

Bachelor of Technology in Computer Science Engineering

8.02 CGPA

TECHNICAL SKILLS

Frontend Development: React, Redux, HTML/CSS, Tailwind CSS, Material-UI, Bootstrap

Backend Development: Node.js, Express.js, MongoDB, Django

Programming Languages: JavaScript, TypeScript, Python, C++, SQL

Other Skills: RESTful API Development, Data Structures & Algorithms, Version Control (Git), CI/CD, Problem-Solving

Developer Tools: VS Code, Docker, AWS

PROFESSIONAL EXPERIENCE

Sensation Software Solutions, Pvt. Ltd

Full Stack Developer

Mohali, Punjab

July 2024 – Present

- Contributed to [AppyPay](#) (Digital Payment Platform) by designing a responsive merchant dashboard using **Material-UI** and custom CSS animations, implementing a dynamic theming system with compound components that reduced code redundancy by 40% while maintaining consistent UX across multiple merchant portals.
- Developed a scalable **merchant registration system** in **AppyPay** using **Redux Toolkit**, handling complex business logic for payment method integration, bank account validation, and KYC verification, reducing onboarding time by 40%.
- Contributed to [Supra.tools](#) by developing a dynamic **product analytics dashboard** using **Next.js** that processes complex feature matrices and visualizes data through interactive charts, reducing analysis time by 40%.
- Developed an end-to-end [AI-powered exercise correction platform](#) leveraging **TensorFlow.js** and **React.js** that performs **real-time skeletal tracking and pose estimation** to provide **instant feedback** on exercise form featuring a **custom pose detection algorithm** and an intuitive **admin interface** for exercise customization.

Sensation Software Solutions, Pvt. Ltd

Software Developer Intern

Mohali, Punjab

Jan 2024 – June 2024

QR Based Restaurant Management System

- Developed **RESTful APIs** and integrated front-end components for using **Node.js**, **Express.js** and **React**, automating order processing to improve operational efficiency by 30%.
- Enhanced search functionality with debouncing techniques reducing API calls by 60% and improved user experience through **Pagination** and real-time updates via **Socket.IO**.
- Implemented email notifications using **Nodemailer** and optimized image uploads with **Cloudinary**, resulting in a 25% reduction in system response time.

Tech Stack: JavaScript, Node.js, Express.js, React, Redux, Socket.IO, Chart.js, MongoDB, Cloudinary, Nodemailer

PROJECTS

Dev Overflow

 [Github](#) | [Live](#)

- StackOverflow-like platform built with **Next.js**, featuring real-time updates with **Socket.IO** and AI-generated answers using **OpenAI**.
- Enhanced user engagement through badge and reputation systems. Efficient navigation with advanced filtering and pagination.

Tech Stack : Next.js, TypeScript, Node.js, MongoDB, Mongoose, Tailwind CSS, Zod, React Hook Form, ClerkAuth

DrawIO - Eraser Clone

 [Github](#) | [Live](#)

- Built an interactive diagramming tool inspired by **Eraser.io** using **Next.js**, **TypeScript**, and **TailwindCSS**, providing a modern and responsive user interface.
- Utilized **ConvexDB** for real-time data handling and **ShadCN** for accessible UI components, enabling seamless diagram creation, editing, saving, and collaboration.

Tech Stack: NextJS, Typescript, ConvexDB, TailwindCSS, ShadCn

ergoSmart- AI Powered Posture Coach

 [Github](#) | [Live](#)

- ergoSmart is an AI-powered posture coach using React.js, TensorFlow.js, and MediaPipe Pose for real-time webcam-based posture analysis and personalized feedback.

Tech Stack: ReactJs, Tensorflow.js, Mediapipe, TailwindCSS

ACHIEVEMENTS

- Delivered 2 hrs long session on Basics of Web Development to the MCA final year students and awarded with Guest of Honor by Lovely Professional University.