Sahiljeet Singh Kalsi

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TECHNICAL PROFICIENCIES

Front-End Development
- HTML5, CSS3, JavaScript (ES6+), TypeScript
- knowledge of React.js for building scalable UIs, with state management (Context API/Redux)
- Next.js for full-stack applications (SSR, SSG, API Routes)
- Skilled in responsive design using Tailwind CSS
- Material-UI (MUI), Shadcn UI for modern, customizable UI components
- Currently expanding into Three.js for 3D graphics and interactive web experiences

Back-End Development
- Developed RESTful APIs and server-side logic using Node.js and Express.js
- Integrated authentication, payment gateways, and third-party services

Mobile Development
- Built a mobile app using React Native and Expo, gaining a solid understanding of mobile development workflows
- Implemented navigation, API integration, and local storage for a smooth user experience
- Familiar with Native for styling and optimizing performance on both Android and iOS

Databases
- SQL: Designed and optimized relational databases with PostgreSQL
- NoSQL: Built flexible data models using MongoDB and Mongoose

Languages
- Python
- C/C++ (Low-Level Programming, Data Structures & Algorithms)
- JavaScript (ES6+)
- Java

Tools & Platforms
- UI Frameworks: Tailwind CSS, Material-UI, Shadcn UI
- DevOps: Firebase (Authentication, Realtime DB, Hosting), Vercel
- Version Control: Git, GitHub
- IDEs: Android Studio, VS Code
- Validation: Zod (for schema validation and form handling)
- API Testing: Postman (for API development and debugging)

INTERESTS

Web Development, Artificial Intelligence, Content Writing, Psychology, Philosophy, Human Behaviour

EDUCATIONAL QUALIFICATION

Don Bosco Institute of Technology (Guru Gobind Singh Indraprastha University**)**   **New Delhi, India**

Bachelor of Computer Application   *August 2022 - July 2025*
Ranked among the top 10 students in the college; Top 100 rank in the university with the CGPA 9.16

Air Force Senior Secondary School
12th Grade (PCM with Computer Science)

PROJECTS

ImageAI - AI-Powered Image Editing Platform (Next.js, TypeScript, Cloudinary AI, Tailwind CSS)   Live Link
- Built a cutting-edge image editing platform using Next.js 14 with TypeScript, delivering seamless UX with Tailwind CSS.
- Integrated **Cloudinary AI** to power advanced image transformations — including **image generation, background removal, object removal, object recolouring, and image restoration**.
- Implemented secure user authentication via **Clerk**, ensuring personalized editing history for each user.
- Added real-time notifications using **React-Toast** for instant feedback during image processing.

- Focused on clean UI/UX with responsive design, ensuring smooth performance across devices.

CipherSprint - Typing Speed Test Website (React, Firebase, Tailwind CSS)   [Live Link](#)
- Built a typing speed test platform with React.js and Firebase, featuring real-time word-per-minute calculations, performance graphs, and user-specific stat tracking. Integrated Tailwind CSS for responsive design and MUI for enhanced UI components like comparison modals and notifications.
- Added theme customization options, stored in local storage, with dynamic headers and toast notifications based on user activity and time of day, ensuring a secure, personalized, and engaging experience.

Gaberina - Ecommerce Platform (React.js, Node.js, Tailwind CSS)   [Live Link](#)
- Developed a responsive e-commerce platform for Gaberina using React.js and Firebase, enhancing user authentication and product listings.
- Implemented shopping cart functionality and order tracking with Tailwind CSS and Material UI, improving user engagement by 25%.
- Engineered a modular architecture for scalable category and payment gateway expansion, streamlining future enhancements.

Saffron Stories - Blog Platform (React.js, Firebase, Tailwind CSS)   [Live Link](#)
- Developed a blog platform that supports creating, reading, updating, and deleting blogs, with real-time updates and secure login powered by Firebase. Designed an intuitive UI using React.js and Tailwind CSS, including day/night modes for optimal user comfort.
- Focused on seamless user experience, combining creativity with functionality to cater to writers and readers, making it a dynamic space for sharing and exploring content.

LEADERSHIP AND ACTIVITIES

- **Class Representative (2023 - Present):** Represented the class in academic meetings and coordinated activities.
- **Playwriting and Directing:** Wrote and directed plays on environmental awareness, showcasing creativity and communication skills.
- **Master of Ceremony & Event Team Member (IT Rang Fest):** Hosted events and contributed to organizing a successful IT Fest.
- **Rotaract Club Member:** Organized a blood donation camp and distributed essentials to underprivileged children.
- **Hackathon (IIITD):** Developed a secure backend system using Node.js, Express.js, MongoDB, and JWT, contributing to the event's success.