Sahiljeet Singh Kalsi

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TECHNICAL PROFICIENCIES

Front-End Development
- HTML5, CSS3, JavaScript (ES6+), TypeScript
- Advanced 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), 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.

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.

INTERESTS

Web Development, Artificial Intelligence, Web3, Content Writing

EDUCATIONAL QUALIFICATION

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

Bachelor of Computer Application   *August 2022 - August 2025*

Ranked among the top 10 students in the college; 50th rank in the university with the CGPA 9.01

Air Force Senior Secondary School

12th Grade (PCM with Computer Science)

PROJECTS

Gaberina - Luxury Perfume E-commerce Website (React, Node.js, MongoDB)   Live Link

- Developed a luxury perfume e-commerce platform with a responsive UI using React.js and Tailwind CSS, and a robust backend with Node.js and MongoDB.
- Implemented size-based pricing, Wishlist functionality, real-time search, and an admin dashboard for product management.
- Integrated Cloudinary for image storage and secured user authentication for a seamless shopping experience.

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.

Divine Pellets - Biomass Energy Website (React.js, Node.js, Tailwind CSS)   Live Link

- Created a responsive website showcasing biomass pellets as a sustainable energy solution with clean UI and intuitive navigation.
- Designed sections like Our Story, What We Offer, Why Choose Us, and a Scientific Comparison of pellets vs. coal.

- Integrated a Contact Us form for seamless communication and added smooth animations using Framer Motion for a polished look.
- Focused on a user-friendly platform combining functionality and aesthetics.

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.

Cosmic Music - Android Music Player App (Kotlin)

- Created a fully functional music player app in Kotlin using Android Studio, offering playlist creation, song queue management, favourite songs, and background playback. Designed intuitive light/dark themes for personalized user experiences.
- Implemented essential media controls like play, pause, next, and shuffle, ensuring smooth performance and efficient navigation for music enthusiasts.

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.