

# Sahiljeet Singh Kalsi

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## Technical Proficiencies

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- **Front-end Development:** Proficient in HTML, CSS, JavaScript, TypeScript, React.js. Currently learning Three.js for interactive 3D visualizations.
- **Back-end Development:** Skilled in Node.js and Express.js for server-side development and REST API integration.
- **Databases:** Experienced with PostgreSQL (SQL) and MongoDB (NoSQL).
- **Other Languages:** Knowledge of Python for scripting and general-purpose programming; C and C++ for understanding data structures.
- **Tools & Frameworks:** Firebase, TailwindCSS, MUI, Android Studio, Git.

## Interests

Web Development, Artificial Intelligence, Web3, Content Writing

## Educational Qualification

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### Guru Gobind Singh Indraprastha University (Don Bosco Institute of Technology)

- Bachelor of Computer Application (2022-2025)
- 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

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

- Developed a luxury perfume e-commerce platform with a responsive UI using React.js and TailwindCSS, 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, TailwindCSS)

- Built a typing speed test platform with React.js and Firebase, featuring real-time word-perminute calculations, performance graphs, and user-specific stat tracking. Integrated TailwindCSS 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, TailwindCSS)**

- 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, TailwindCSS)**

- 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 TailwindCSS, 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**

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- **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.