# Sahiljeet Singh Kalsi

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#### **Technical Skills**

- **Front-end development:** Proficient in HTML, CSS, JavaScript, and React.js for building responsive and user-friendly web interfaces. Currently learning Three.js to enhance skills in 3D graphics and interactive visualizations.
- **Back-end development:** Skilled in using Node.js and Express to develop server-side applications and REST APIs for seamless data exchange.
- **Databases:** Experienced in working with both SQL and NoSQL databases, including PostgreSQL and MongoDB, for effective data storage and retrieval.
- Other languages: Knowledge of C and C++ for understanding data structures, and Python for general-purpose programming and scripting.

#### Interests

Web Development, Artificial Intelligence, Web3, Script Writing, Content Writing

#### **Projects**

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.

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.

### **Educational Qualification**

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

- Bachelor of Computer Application (2022-2025)
- CGPA 9.01/10; Under Top 10 students in the college, 50<sup>rd</sup> rank in university

## **Air Force Senior Secondary School**

• 12th Grade (PCM with Computer Science)

## **Leadership and Activities**

## • Class Representative (2023 - Present):

Represent class in meetings and coordinate academic activities.

# • Playwriting and directing:

Wrote and directed plays to raise environmental awareness.

# • Master of Ceremony & Event Team Member (IT rang Fest):

Led as MC and contributed to event organization.

### • Rotaract Club Member:

Organized a blood donation camp and distributed essentials to underprivileged children.

## • Hackathon (IIITD):

Built backend using Node.js, Express, MongoDB, and JWT.