



SANSKAR MUNDHRA

Course : **B.E. (Hons.)**, Computer Science, 2026

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CGPA : 8.29



Subjects / Electives

Database Systems , Data Structures and Algorithms , Object Oriented Programming , Microprocessors , Discrete Structures of Computer Science , Logic in Computer Science

Technical Proficiency

C++ Language , Flutter , Firebase , Front-end Development , Application Development , Web Development , HTML + CSS , MySQL , C Programming , React.js

SUMMER INTERNSHIP / WORK EXPERIENCE

PLM Intern , Siemens India

May 2025 - Jul 2025

- Analyzed **5+ Java libraries** to replace the legacy DaisyDiff HTML comparator in **Polarion ALM**, a Siemens ALM product .
- Benchmarked performance and accuracy across **500+ document revisions** to assess suitability for integration .
- Integrated the best-performing library, improving **comparison reliability** and ensuring **better long-term maintainability** .

Tech Intern , Lane

Jan 2025 - Apr 2025

- Developed a **free** custom leads **transfer automation** using **Google Apps Script**, replacing **Zapier** and **Pabbly** to reduce costs .
- Implemented new features and UI components using **ReactJS**, optimizing **website performance by 70%** .
- Contributed to designing , developing , and launching web app features using **React**, **TypeScript**, and **Supabase** for scalability and efficiency .

Software Intern , Caarya

May 2024 - Jul 2024

- Built and deployed **MapIt**, a **full-stack** location-based review app where users can explore places, add reviews, and read feedback from others .
- Used **Postman** to thoroughly test each **RESTful API**, verifying functionalities like **user login and registration** .
- Utilized the **MERN stack** with **Vercel** for frontend deployment and **Render** for backend, achieving a smooth, scalable user experience .

PROJECTS

CSA-Times - App Development

Nov 2023 - Feb 2024

- Developed **CSA-Times**, utilizing **MySQL database** for efficient data management to cater to diverse campus needs and services .
- Designed and implemented intuitive **frontend** features in **Flutter** to enhance **user experience** and accessibility across platforms .
- Achieved significant user adoption with over **1.5K+ downloads** on both **Play Store** and **App Store** .

University Course Assignment System (UCAS) - Algorithm Optimization

Sep 2023 - Oct 2023

- Developed and led the implementation of a **Heuristic Algorithm** for generating all the **potential course assignments** based on faculty preferences and constraints, validated with over **100 test cases** .
- Implemented the **Hungarian Algorithm** to provide the **2-3 best** possible course allocations, **enhancing efficiency by 40%** and aligning with the preferences of 90% of the total faculty members .
- Collaborated on **integrating algorithms**, managing test cases, and **designing** the University Course Assignment System .

ACADEMIC DETAILS

COURSE	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	Techno India group Public School,Chinsurah	CBSE	93.6 %	2022
CLASS X	Stepping Stone School (High), Rishra	ICSE	96.8 %	2020

POSITION OF RESPONSIBILITY

Member - Technical Team, AUGSD , BITS Goa

Aug 2024 - Present

- Developed a **Python-based timetable generation system**, serving **4000+ students** with efficient scheduling by **automating** course component assignments under **complex constraints** .

Senior Developer - Developer's Society, BITS Goa

Aug 2023 - Apr 2024

- Mentored **over 10 first year students** in **App Development**, conducted sessions, and **collaborated with the team** to build apps for the college .

VOLUNTEER EXPERIENCE

Abhigyaan Club - Role: Crew | Cause: Social Services

Dec 2022 - Apr 2023

Actively contributed to **event coordination** and oversaw children's participation, ensuring their engagement and performance during events .

EXTRA CURRICULAR ACTIVITIES

Cricket , Painting , Travelling , Table Tennis , Chess