



Tanisha Daharwal
Bachelor of Technology
in Mathematics and Computing
Indian Institute Of Technology, Ropar

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GitHub | Portfolio Website
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EDUCATION

| Degree | Institute/Board | CGPA/Percentage | Year |
|------------------------|---------------------------------------|---------------------|-----------|
| Bachelor of Technology | Indian Institute of Technology, Ropar | 7.89 (Till 4th Sem) | 2021-2023 |
| Senior Secondary | Central Board of Secondary Education | 97% | 2021 |
| Secondary | Central Board of Secondary Education | 97% | 2019 |

PROJECTS

- **DigiRupi (Winning Submission)** June. 2023
AMEX Makeathon'23 GitHub | apk | Demo
 - Tech Stack - React Native Expo for the front-end and NativeWind for designing, AWS Amplify for cloud services, AWS RDS as the managed database service, Prisma for simplified database access, and PostgreSQL as the underlying DBMS.
 - Developed a digital wallet application for Makeathon 2023, seamlessly integrating it with the e-RUPI Voucher system by NPCI
 - Used React Native Expo, AWS Amplify, and AWS RDS for cloud services and managed database, leveraged AWS Lambda functions and API Gateway for database access.
 - Ensured robust security with encryption, strict authentication, and role-based access control.
- **CureCloud - GCP Project** Dec. 2022 - Jan. 2023
Google Cloud Practitioner Programme GitHub | Demo
 - Tech Stack Used - HTML, CSS, Javascript, React, Firebase, Google Cloud
 - 3 user roles - Hospital Admin, Doctor, Patient
 - Features include Registration using Firebase, Booking an appointment, Raising/Answering queries for hospital supplies, management of patient's health history charts and a visits calendar for patient
- **Amazon Clone** May 2023
Self Project GitHub | Demo
 - Tech Stack - React, Next.js, Redux, Firebase + Stripe
 - Amazon Clone with payment gateway using Next.js, Stripe and Firebase
 - Features like View Products, Add to Card, View/Edit Cart and Make payment
- **Website for IIT Ropar - BOLA** June. 2023
Student Council, IIT Ropar GitHub | Demo
 - Tech Stack - ReactJS, tailwind CSS, Framer Motion
 - Separate pages for each club with information about the respective club, event calendar, core team, gallery and achievements.
- **Implementations of Quad Trees - Using DSA and C** Oct. 2022 - Nov. 2022
Dr. Anil Shukla GitHub
 - Language Used - C
 - Shows construction of quad tree, implementations like nearest neighbor, range query and traffic query along with a utility program to visualise Quad-tree and it's various applications

TECHNICAL SKILLS

- **Programming Languages:** C, C++, HTML, CSS, Python, JavaScript, TypeScript, SQL
- **Web/App Technologies:** React, Next.js, React Native, Firebase/FireStore, AWS Amplify, Prisma, Node.js, TailWind/NativeWind
- **Miscellaneous:** Git/Github

KEY COURSES TAKEN

- **CSE & Maths:** Introduction to Computing Data Structures, Data Structures, Discrete Mathematics, Real Analysis, Linear Algebra and Integral Transforms, Differential Equations, Probability and Statistics, Theory of Computation, Numerical Analysis
- **Others:** Electrical Engineering, Signals Systems, Tinkering Lab, Economics

POSITIONS OF RESPONSIBILITY

- **Web Developer**, Student Council Tech Team, IIT Ropar June 2023 - ongoing
- **ISMP Mentor**, Student Mentorship Programme, IIT Ropar Sep. 2022 - ongoing

ACHIEVEMENTS

- **Winner in AMEX Makeathon'23**,
2nd position at American Express Makeathon'23 out of 12,500+ registrations and 950+ idea submissions May 2023 - June 2023
- **Google Cloud Practitioner Programme**,
Completed Cloud Engineering Learning Path along with being a frontend Team member of GCP Project, Project to achieve one or more UN Sustainable Goals using resources in Cloud Dec 2022 - Jan 2023