

# Sai Kumar Kanuri

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<https://leetcode.com/Skanuri/> | <https://github.com/Sai-Kumar-Kanuri/>

## Education

**SRM Institute of Science and Technology**

Bachelor of Technology in Computer Science and Engineering, **CGPA 9.43**

**Ascent Junior College**

11<sup>th</sup> & 12<sup>th</sup>

**Chennai, India**

2020-2024

**Visakhapatnam, India**

June, 2019

## Core Competencies

**Programming Languages**

C, C++, Python, JavaScript, Java

**Web Development**

JavaScript, React, MongoDB, Express, Node.js, Firebase, Next.js

**Machine Learning**

Neural Networks, LSTM, other Learning Algorithms

**Tools and IDE**

Postman, VS Code, GitHub, AWS, Docker

**Others**

Problem Solving, Data Structures, SQL, NoSQL

## Academic Projects

**Data Science Hack 2022-Aid for Life**

**September 2022**

- Developed Backend for live tracking software similar to Uber or Ola where a person can quickly book an ambulance by providing the specifics of their emergency.
- Technologies Used: Flutter, HTML, CSS, JavaScript, Nodejs.
- Link-[https://github.com/Sai-Kumar-Kanuri/dsc\\_hacks\\_technyts](https://github.com/Sai-Kumar-Kanuri/dsc_hacks_technyts)

**SnapNext -Snapchat for Programmers**

**January 2024**

- Real-time messaging app built with Next.js, TypeScript, MongoDB, and Tailwind CSS. Features secure authentication, efficient schema design, and Cloudinary integration for optimized image storage.
- Optimized database schema for improved performance and scalability.
- Link-<https://github.com/Sai-Kumar-Kanuri/Snapchat-Clone> , <https://snapchat-clone-theta.vercel.app/>

**Twitter-Clone**

**September 2023**

- Designed and implemented the integration of frontend components with backend services, ensuring seamless functionality across the platform. It is built using MongoDB, Expressjs, React and Nodejs.
- Successfully implemented core backend features for a social media platform, including Follow, Unfollow, Create Tweet, Delete Tweet, and Timeline functionalities.
- Link-<https://github.com/Sai-Kumar-Kanuri/Twitter-Clone-Frontend>, <https://github.com/Sai-Kumar-Kanuri/Twitter-Clone-Backend>

**Zoom Video Conferencing App**

**May 2024**

- Developed a Zoom-like video conferencing app using Next.js, TypeScript, Tailwind CSS, Shadcn, Clerk, and GetStream.
- Implemented features including secure authentication, real-time meeting controls, scheduling, and recording access, with a responsive design for optimal cross-device functionality.
- Link-<https://github.com/Sai-Kumar-Kanuri/Zoom-Video-Conferencing-App>, <https://zoom-clone-eight-beryl.vercel.app/>

**Flight Booking Web App**

**July 2023**

- Developed a flight management system which has both admin and user roles using MERN stack.
- Full stack web-application with express serving a REST API with react as the frontend. Usage of JSON Web Tokens for authentication in all the routes.
- Link-<https://github.com/Sai-Kumar-Kanuri/FlightBooking>

## Achievements

**Hinweis Second International Conference on Advanced Research in Engineering and Technology**

Cloud Detection and Nowcasting for Ship Navigation - This project presents an algorithm for cloud detection in INSAT satellite images, followed by cloud motion prediction in subsequent frames.

**Data Science Hack'22- Won 2nd Position**

Developed a live tracking software similar to Uber or Ola where a person can quickly book an ambulance by providing the specifics of their emergency.

**Temenos Adopt IT Scholarship**

Scholarship for my academic excellence and potential in the field of computer science.

## Certifications

- Mastering Data Structures & Algorithms using C and C++.
- Database Foundations-Oracle Academy.