

# Sangati Shiva Krishna Reddy

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## Personal Profile

A passionate software developer and problem solver with a background in computer science, seeking new opportunities to leverage my skills and expertise, experience a steep learning curve, and contribute to the organization's growth while pursuing personal and professional development.

## Education

### SRM Institute of Science and Technology

BTech in Computer Science

Kattankulathur, India

Sept 2022 - Current

- **CGPA** : 9.65/10 (up to 4 Semesters)
- **Courses**: Database Management Systems, Data Structures and Algorithms, Operating System, Computer Architecture, Object Oriented Design and Programming, Software Process, Programming for Problem Solving, Artificial Intelligence.

### Sri Chaitanya co-edn.jr.college

12th Standard

Vijayawada, India

May 2020 - May 2022

- Secured 940/1000
- Specialised in Maths, Physics and Chemistry

### Sri Chaitanya High School

10th Standard

Vijayawada, India

June 2019 - Apr 2020

- Secured 600/600

## Projects

### Video Conferencing Application

SRM Institute of Science and Technology

Kattankulathur, India

June 2024 - July 2024

- Developed a peer-to-peer real-time communication platform using WebRTC and sockets, facilitating seamless video, and audio exchanges along with messaging features. Enabled users to effortlessly join and exit rooms through credential room IDs.
- Implemented ICE/TURN server access to obtain public IP addresses, ensuring robust connection establishment for SDP transmission and bidirectional stream sharing.
- **Technical Skills**: WebRTC, Socket.io, React Js, Node Js, Git
- **Miscellaneous**: Project Planning, Scheduling, Problem Solving

### Authentication

SRM Institute of Science and Technology

Kattankulathur, India

Feb 2024 - March 2024

- Developed a minimum viable product featuring user authentication functionality using MySQL software and Rest APIs.
- This included creating distinct routes for user registration and login processes, ensuring secure access and data integrity within the system.
- Designed and managed a relational database using MySQL, establishing efficient data structures and relationships to support user authentication and application functionality.
- **Technical Skills**: Database Management System, MYSQL, Restful API's, React Js, Node Js
- **Tools**: Postman, MySQL, Git

### Personal Portfolio

SRM Institute of Science and Technology

Kattankulathur, India

April 2024 - May 2024

- Designed and developed a responsive portfolio website using React, react-bootstrap, integrated routing to ensure navigation to the different pages.
- Leveraged Git for continuous integration to streamline the incorporation of new changes, and deployed the application on Vercel, ensuring efficient updates and consistent performance in maintaining the live application.
- **Technical Skills**: Routing, React Js, React-Bootstrap

## Skills

**Programming** C, C++, SQL, HTML, CSS, JavaScript, Python, Node Js, React Js

**Miscellaneous** Linux, Git, Operating System, Database Management System, CLI, Version Control System

**Soft Skills** Time Management, Teamwork, Problem-solving, Project Management

## Achievements

Oct 2023 **SRM Institute of Science and Technology**, Performance based Scholarship

SRMIST

# Interests

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**Exploring Technology**    Passionate about continually expanding my knowledge by learning new technology.  
**Linux**    I'm passionate about Linux and actively use Windows Subsystem for Linux (WSL) to work in a Linux environment.

# Languages

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**English**    Professional proficiency  
**Telugu**    Native proficiency  
**Hindi**    Limited proficiency

References available upon request.