

GUTHULA RAJA VENKATESH

📞 7358383372 ✉ grv.9604@gmail.com — Chennai, India
🌐 [linkedin.com/in/guthularajavenkatesh](https://www.linkedin.com/in/guthularajavenkatesh) — 🐙 github.com/rajavenkatesh04

Education

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science & Engineering (CGPA: 7.76 / 10.0)

Sep. 2022 – May 2026

Chennai, Tamil Nadu

Sri Chaitanya Techno School – 12th Grade

CBSE Board

2021 – 2022

Percentage: 69.9%

Sri Chaitanya Techno School – 10th Grade

CBSE Board

2019 – 2020

Percentage: 77.0%

Projects

Luna - Real-Time Event Communication Platform | 🐙 Code Live Demo

August 2025

- **Technologies:** Next.js, TypeScript, Firebase (Firestore, Auth, FCM), Tailwind CSS, Headless UI
- Engineered a full-stack, serverless web app for real-time event communication, successfully deployed for SRM IST's 21st Convocation, serving **4,300+ users in 4 days**.
- Architected a scalable backend with Firebase, using Cloud Messaging (FCM) to deliver live push notifications to over **500+ subscribers** and Firestore for data persistence.
- Implemented a secure, role-based permission model using Next.js Server Actions and granular Firestore Security Rules to differentiate access for owners, admins, and attendees.

Hostel Discovery Platform | 🐙 Code Live Demo

July 2025

- **Technologies:** Next.js, JavaScript, Supabase (PostgreSQL), Google Maps API, Tailwind CSS
- Developed a platform to help 1st-year students find suitable housing, attracting **12,000 users over 20 days** through intuitive design and targeted features.
- Integrated Google Maps API and Supabase to create an interactive map, allowing users to filter hostels by amenities and visualize proximity to campus buildings.
- Analyzed user behavior with Microsoft Clarity and iteratively refined the UI, **reducing the bounce rate from 60% to 24%** and improving overall user experience.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL, HTML/CSS

Web Technologies: Next.js, React, Node.js, Tailwind CSS, REST APIs, Headless UI

Databases & Cloud: Firebase (Firestore, Auth, FCM), Supabase, Vercel, GCP (Basics)

Developer Tools: Git, GitHub, Docker, Jest, React Testing Library

Leadership Experience

SRM IEEE Student Branch

October 2024 – Present

Public Relations Head

Chennai, Tamil Nadu

- Directed public outreach and social media campaigns, resulting in a 40% increase in workshop attendance and member engagement over two semesters.
- Forged partnerships with industry professionals and other student chapters to organize high-impact technical workshops, coding competitions, and networking events.

Relevant Coursework

- Data Structures & Algorithms
- Object-Oriented Programming
- Database Management Systems
- Operating Systems
- Computer Networks
- Distributed Systems
- Machine Learning
- Software Engineering