

# Sai Shashank Vakkalanka

B.Tech - (2023-27)

Computer Science And Engineering

Gokaraju Rangaraju Institute Of Engineering And Technology <https://www.linkedin.com/in/vakkalanka-sai-shashank/>

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE	Gokaraju Rangaraju Institute Of Engineering And Technology	8.81	2023-2027
Senior Secondary	Sri Chaitanya Jr College	95.6%	2021-2023
Secondary	Genesis International School	8.0	2021

## SKILLS

- Programming:** JAVA, C, Python, SQL, Dart
- Development:** HTML, CSS, JavaScript, ReactJs, Flutter, NextJs, Python
- Technologies:** Firebase, Prisma, PHP, Scikit-learn REST APIs
- Tools:** Visual Studio Code, Git, Canva, Figma, Hugging Face Spaces, Razorpay
- Soft Skills:** Coordination of teams, Team Work, Effective Communication

## PROJECTS

- PixelPulse** Nov. 2025 – Present  
GitHub  
*AI Story Song Suggester*
  - Engineering a **multimodal AI pipeline** that suggests **Spotify tracks** based on image mood using **ResNet50** for visual feature extraction.
  - Implemented **Cosine Similarity** to align high-dimensional visual embeddings with audio metrics (valence, energy) for context-aware recommendations.
  - Tech Stack:** Python, TensorFlow, Scikit-learn, Spotify API, Pandas
- Festify** Nov. 2025 Present  
GitHub  
*Full Stack Web Application*
  - Developing a **full-stack event platform** using **Next.js 14** and **PostgreSQL**, featuring secure **JWT/OAuth** and **Role-Based Access Control (RBAC)**.
  - Built a modern **Glassmorphism Admin Dashboard** with **Tailwind CSS** for event management and **real-time attendance tracking**.
  - Tech Stack:** Next.js, TypeScript, Node.js, Prisma, PostgreSQL, Tailwind CSS
- Gen-Lib** June 2025 - July 2025  
Github  
*Flutter - Dart Project*
  - Implemented a **cross-platform digital library management system** (Gen-Lib) using **Flutter** and **Firebase** to modernize book circulation.
  - Applied **QR-based book circulation, automated inventory updates, fine notifications**, and secure **online payments (Razorpay)** to streamline operations and enhance security.
  - Tech Stack:** Flutter, Firebase, Dart, Razorpay API.
- Text To Image Generator** July. 2025  
Github  
*React + Hugging Face API Project*
  - Designed a **full-stack web application** to generate **AI-based images from text prompts** using the **Hugging Face API's**.
  - Managed **API keys** and tokens securely using environment variables and **.env file practices**.
  - Integrated **real-time image rendering**, prompt scheduler selection, and **download functionality**.
  - Tech used :** React, Node.js, Hugging Face API's
- Hotel Management System** Sept. 2024 - Oct. 2024  
Github  
*Java GUI Application*
  - Created a **Java-based desktop application** for hotel operations including **room booking, employee records, and billing**.
  - Executed **secure login** with **role-based access control** for data protection.
  - Tech used :** Java, Apache NetBeans

- **Electronic Voting Machine**

*C Programming Project*

Nov. 2023 - Dec. 2023

Github

- Built a secure electronic voting system in C with admin control and user authentication.
- Enforced vote tracking, eligibility verification, and banned user management.
- Tech used : C, Data Structures & Algorithms

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## POSITIONS OF RESPONSIBILITY

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### Logistics Member

October 2024 - Present

*Google Developers Groups On Campus – GRIET*

- Supported the planning and execution of technical events and workshops by managing logistics, coordination, and on-site operations.

### Logistics

October. 2024 - Present

*X Kernel GRIET*

- Organized X-Kernel Coding Club's flagship Tech Event at GRIET, managing logistics, scheduling, and real-time operations for 150+ participants, ensuring smooth execution and effective cross-team coordination.

### L1 Coordinator

July. 2024 - Present

*Street Cause Hyderabad (GRIET)*

- Serving as L1 Coordinator at Street Cause GRIET, leading large-scale social initiatives across Gadwal, Mulugu, and Jangaon, including educational support, resource distribution, and the successful execution of RFC 11 by overseeing logistics, pass sales, and participant coordination.

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## CERTIFICATIONS

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- **Data Science for Engineers (Elite)** – NPTEL 67%

September 2025

- **AI Foundations Associate** – Oracle

August 2025

- **Software Engineering Job Simulation** – J.P. Morgan

October 2025

- **Java (Basic) Certificate** – HackerRank

March 2025

- **SQL (Basic) Certificate** – HackerRank

March 2025

- **Data Analytics Job Simulation** – Deloitte Forage

Dec 2024