

# Sai Shashank Vakkalanka

B.Tech - (2023-27)

Computer Science And Engineering

Gokaraju Rangaraju Institute Of Engineering And Technology

+91-986-6012-610

saishashank1006@gmail.com

<https://www.linkedin.com/in/vakkalanka-sai-shashank/>

## 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  
*AI Story Song Suggester* GitHub
  - 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  
*Full Stack Web Application* GitHub
  - 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  
*Flutter - Dart Project* Github
  - 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  
*React + Hugging Face API Project* Github
  - 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  
*Java GUI Application* Github
  - 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**

Nov. 2023 - Dec. 2023

C Programming Project

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

## POSITIONS OF RESPONSIBILITY

---

### 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.

## CERTIFICATIONS

---

- |  |                |
|--|----------------|
| • <b>Data Science for Engineers (Elite)</b> – NPTEL 67%    | September 2025 |
| • <b>AI Foundations Associate</b> – Oracle                 | August 2025    |
| • <b>Software Engineering Job Simulation</b> – J.P. Morgan | October 2025   |
| • <b>Java (Basic) Certificate</b> – HackerRank             | March 2025     |
| • <b>SQL (Basic) Certificate</b> – HackerRank              | March 2025     |
| • <b>Data Analytics Job Simulation</b> – Deloitte Forage   | Dec 2024       |
-