

# Saanvi

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## EDUCATION

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### Vellore Institute of Technology

B.Tech in Computer Science and Engineering

2023–2027 (Expected)

## TECHNICAL SKILLS

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**Programming Languages:** Python, C++, JavaScript, TypeScript

**Frontend:** HTML, CSS, React, Tailwind CSS, Vite

**Backend:** Flask, Django, Firebase (Auth/Firestore)

**Tools:** Git, Postman, VS Code, Jupyter, Vercel

## PROJECTS

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### CollabSphere

Smart Collaboration Platform – Live Demo

React, TypeScript, Firebase, Tailwind CSS

- Developed full-stack platform with Firebase user authentication and real-time Firestore database
- Implemented skill-tag matching system that connected 15 users to create 16 projects in first week
- Deployed production-ready application using Vercel with 100 % uptime during demo period
- Optimized React component rendering with memoization (useMemo), reducing UI lag by 55% for complex project listings

### ALFRED (AI Voice Assistant)

Python-based Assistant

Python, SpeechRecognition, Django, Tkinter

- Processed 200+ test voice commands during development using SpeechRecognition/PyAudio
- Implemented 12 core commands (reminders, searches) with 80% success rate in controlled tests
- Reduced typical response time from 2.1s to 0.9s by caching frequent local commands
- Integrated Django backend handling 8-10 concurrent users during class demo

## HACKATHON EXPERIENCE

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### Codeverse by Oscore 2025

Top 50 Finalist – 500+ Participants

- Built a matching system for students to find skill-aligned projects or teammates

### Myntra HackerRamp: We for She 2024

Top 75 Finalist (Phase 1) – 1,500+ Participants

- Proposed AI/AR solutions to improve sustainability in fast fashion using GenZ shopping data

## EXTRACURRICULAR ACTIVITIES

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- **Co-Lead, Content Team**, VIT Eureka Club: Organized coding competitions and workshops for 100+ participants
- **Co-Lead, Content Team**, VIT Linpack Club: Increased event participation by 40% through targeted outreach

## CERTIFICATIONS

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- IBM AI Engineering
- Deloitte Australia Data Analytics Job Simulation