

# MOHAMMED SAFWAN

[in linkedin.com](#) [github.com/safwanishere](#) [safwan.tech](#)

## Professional Summary

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Computer Science undergraduate with experience leading developer communities and building production-grade full-stack applications used by 1K+ daily users. Led cross-functional teams to deliver large technical events, scaled student platforms to 1.6K+ members, and collaborated across design, backend, and infrastructure to ship reliable systems on cloud deployments. Strong in Python/Flask backend development with SQL databases, API integration, and data-driven feature design, with a focus on ownership, execution speed, and real-world impact.

## Education

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### Institute of Aeronautical Engineering

Bachelor of Technology in Computer Science Engineering; CGPA: 8.5

Expected 2027

Hyderabad, Telangana

### DAV Public School

CBSE 12th Grade; Percentage: 88.4%

May 2022 – May 2023

Hyderabad, Telangana

### Takshasila Public School

CBSE 10th Grade; Percentage: 94.8%

2020 – 2021

Hyderabad, Telangana

## Experience

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### RAG Data Intern

GDOT Contractor

Sep 2025 – Nov 2025

[gdotcontractor.com](#)

- Built end-to-end pipelines to parse and structure raw government document data from various formats to JSON, CSV and SQL databases for RAG ingestion using Python libraries like tabula and pdfplumber.
- Processed and versioned large-scale government specification datasets, integrating Cloudinary asset links, handling yearly revisions, and delivering clean, validated structured data for downstream chatbot ingestion.
- Collaborated on building and designing an infographics video generator from PDF input using N8N workflows, LLM calls and animation libraries like Manim.

## Projects

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### ResourceBase - Academic Resources Platform | Python, Flask, SQL, Bootstrap | [GitHub](#) | [Live Link](#) Nov 2023

- Built and deployed a full-stack web platform serving 1,200+ daily active users during exam seasons, enabling centralized access to neatly collected and categorized academic resources.
- Designed a scalable backend for document ingestion and management, hosting 1,000+ resources across 200 courses and 10 disciplines, deployed on a DigitalOcean VM with Nginx.
- Sustained and evolved the platform for over 2 years, supporting a 1,600+ student community with ongoing maintenance and admin-driven updates and resource team contributions.

### Trovo - Protein Research Platform | Python, Flask, 3Dmol.js, REST APIs | [GitHub](#) | [Live Link](#) Apr 2025

- Built a Hackathon winning full-stack Flask application aggregating protein data from public APIs like UniProt, AlphaFold DB, and ChEMBL, with interactive 3D visualization using 3Dmol.js and a clean web interface.
- Integrated an AI-powered chatbot (Google Gemini) to enable contextual follow-up queries, improving information retrieval and user exploration of biological datasets.

## Leadership Experience

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### GDGoC Organizer

Google Developer Groups on Campus, IARE

Sep 2025 – present

[gdgciare.tech](#)

- Led a 13-member core team organizing successful technical workshops, speaker sessions, and hackathons, driving consistent student engagement and collaborating with external communities like TensorFlow User Group Hyderabad.
- Scaled community outreach to 1600+ members, popularizing tech and encouraging creative and technical development of students with study jams, quizzes and community project displays.

### TEDx Tech Team Member

TEDxIARE

Feb 2025 – Apr 2025

[tedxiare.com](#)

- Developed the TEDx event website using React, Vite, TypeScript, Framer Motion, and Tailwind for a seamless and dynamic user experience, collaborating with various teams and working with deadlines.
- Built a FastAPI server to handle waitlist form submissions, integrating MongoDB for data storage and deploying on Render, implementing rate limiting and email validation for security.

## Skills

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**Programming Languages:** Python, Java, JavaScript

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

**Backend/Database:** Flask, Jinja2, FastAPI, SQL, MongoDB

**Developer Tools:** VS Code, Git, GitHub, Figma, N8N

## Certifications

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**CS50x Introduction to the intellectual enterprises of computer science**

*Harvard University*

**Nov 2024**

*self-paced*

**Programming in Java by NPTEL**

*IIT Kharagpur, NPTEL*

**Jan - Apr 2024**

*12 weeks*