

MOHAMMED SAFWAN

Hyderabad, Telangana, India

✉ mohammedsafwan261205@gmail.com [in linkedin.com](https://www.linkedin.com/in/mohammedsafwan261205) github.com/safwanishere safwan.tech

Education

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

Experience

RAG Data Intern

GDOT Contractor

Sep 2025 – Nov 2025

gdotcontractor.com

- Built end-to-end Python ETL pipelines to extract and transform government documents into structured JSON, CSV, and SQL datasets for RAG ingestion using tabula and pdfplumber.
- Processed, versioned and validated large-scale government specifications, integrating Cloudinary assets and yearly revisions for reliable chatbot knowledge bases.
- Developed an AI-powered PDF-to-video generator using N8N, LLMs, and Manim to automate infographic creation.

Projects

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

Nov 2023

- Engineered and deployed a full-stack academic platform serving 1,200+ daily users, centralizing access to 1,000+ educational resources.
- Designed a scalable Flask backend for document ingestion, storage and retrieval, hosting 1,000+ resources across 200 courses, deployed on DigitalOcean with Nginx.
- Maintained and scaled the platform for 2+ years, supporting a 1,600+ student community through continuous feature updates and content management.

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 UniProt, AlphaFold DB, and ChEMBL, with interactive 3Dmol.js visualizations.
- Integrated a Google Gemini-powered chatbot for contextual protein queries, improving biological data exploration.

Skills

Languages: Python, Java, JavaScript

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

Backend/Database: Flask, Jinja2, FastAPI, SQL, MongoDB, Redis, REST APIs

Developer Tools: VS Code, Git, GitHub, Figma, N8N, DigitalOcean, Linux

Leadership Experience

GDGoC Organizer

Google Developer Groups on Campus, IARE

Sep 2025 – present

gdgciare.tech

- Led a 13-member core team to organize technical workshops, hackathons, and speaker sessions, growing the community to 1,600+ members through technical events and collaborations with TensorFlow User Group Hyderabad.

TEDx Tech Team Member

TEDxIARE

Feb 2025 – Apr 2025

- Developed the TEDx event website using React, Vite, TypeScript, Framer Motion, and Tailwind, collaborating across design and content teams.
- Built and deployed a FastAPI backend with MongoDB on Render, implementing rate limiting and input validation.

Certifications

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