

# SACHIN SURESH

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## EDUCATION

### Dayananda Sagar College of Engineering

Bachelor of Engineering in Computer Science

Oct 2023 - July 2027

Bangalore, India

CGPA: 9.21

## TECHNICAL SKILLS

- **Languages:** Python, TypeScript, JavaScript, C++, Java
- **Databases:** MongoDB, ChromaDB, FAISS
- **Frameworks & Libraries:** Streamlit, Flask, FastAPI, React.js, Next.js, Node.js, Tailwind CSS
- **Machine Learning & Data Science:** Pandas, TensorFlow, Scikit-learn, NumPy, OpenCV, LangChain
- **Developer Tools:** Git, GitHub, VS Code, Docker, Vercel, AWS, MLFlow, AirFlow, DagsHub
- **LLM Orchestration & Tooling:** Ollama, LangSmith, HuggingFace

## EXPERIENCE

### XTrail Consultation Services

Nov 2025 – Present

*Junior Developer Intern*

- Built **interactive production dashboards** for **Apollo Tyres** plants using **React** and **Flask** to visualize **operational trends**.
- Developed **backend APIs** and **dynamic plots** enabling **real-time analysis** of manufacturing data.
- Created **3D factory layout models** in **Blender** for visual representation of **plant workflows**.

## PROJECTS

### UnBindAI

September 2025

*NextJS, Node.js, Python, VectorDB, GroqAPI, Llama 3.3 70B, MongoDB | Demo | GitHub*

- Built an **AI-powered legal assistant** that converts complex contracts into **plain-language summaries** with automated **risk and obligation detection**.
- Implemented **Retrieval-Augmented Generation (RAG)** using **VectorDB** to improve contextual accuracy across long, multi-clause legal documents.
- Designed a **privacy-first architecture** with **conversational memory** to support follow-up queries without data persistence risks.

### RagSum — RAG Chatbot & Summarizer

July 2025

*LangChain, Python, Streamlit, FAISS, Groq LLaMA 3 | Visit | GitHub*

- Built a **multi-page RAG-based chatbot** enabling **semantic search and QA** over uploaded PDFs using **FAISS**.
- Designed an efficient **chunking and embedding pipeline** to balance retrieval accuracy and inference speed.
- Integrated **Groq LLaMA 3** via **LangChain** for low-latency, **context-aware** conversational responses.

### FairFare

March 2025

*NextJS, Python, FastAPI, MongoDB | GitHub*

- Built an **ML-based ride cancellation prediction system** to assist users during **peak-demand hours**.
- Trained models to identify **high-risk bookings** using historical ride patterns and behavioral features.
- Developed an **interactive NextJS dashboard** with a **FastAPI backend** to serve real-time prediction insights.

## ACHIEVEMENTS

- **BotCraft (2024)** – Runner-up among 100+ teams for building a Discord-based automation bot in Python.
- **The Great Bengaluru Hackathon (2025)** – Shortlisted in a **national-level hackathon** for developing FairFare
- **CodeChef** – 100 Days Streak Badge; Peak Rating: **1137**.
- **LeetCode** – Completed **50 & 100 Days Coding Challenge** badge in 2025.