

Khushi Goyal

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EDUCATION

VIT Bhopal University, Bhopal
B.Tech in Computer Science & Engineering

2022 – 2026
CGPA: 8.87/10.0

TECHNICAL SKILLS

Languages:	Python, JavaScript, TypeScript, SQL, C++
Web & Backend:	ReactJs, NextJs, NodeJs, REST APIs, HTML5, CSS3
Dev & Prod Tools:	Git, GitHub, VS Code, Postman, PyCharm, WebStorm, Sentry, PostHog, Excel, Vapi AI
Data & AI:	Pandas, NumPy, scikit-learn, LangChain, OpenAI APIs, NLP, Supervised Learning
Core CS:	Object-Oriented Programming, Data Structures, Algorithms, OS, DBMS, AWS, ML

EXPERIENCE

- Junior Software Developer Intern | *ONGC, India* Nov 2024 – Jan 2025
- Delivered a **backend multi-modal AI chatbot** using **Python and LangChain**, enabling conversational **querying across 50+ documents** including scanned **PDFs, images, and tables**.
 - Implemented a **Retrieval-Augmented Generation (RAG)** pipeline with **OCR-based extraction** and **vector embeddings**, improving document **search accuracy** and reducing **manual lookup time by 40%**.
 - Automated **end-to-end workflows** for **text, image, and tabular data extraction**, enabling **reliable, context-grounded insights** from large document collections.

PROJECTS

- Converso | *Full-Stack LMS with AI Integration* [GitHub Link](#)
- Owned the **end-to-end delivery** of a **full-stack AI-enabled** learning platform, shipping 5+ **frontend and backend workflows** across authentication, companion creation, and session management.
 - Integrated **LLM-powered voice interactions** with **~500 ms average response times** during development, managing **3+ real-time conversation states** and ensuring **session transcript persistence**.
- Heart Disease Risk Prediction Model [GitHub Link](#)
- Engineered an **end-to-end supervised ML pipeline** to **predict heart disease risk** using **structured clinical data (900+ records)**, prioritizing **model reliability** over raw accuracy.
 - Applied **data preprocessing and feature scaling** to enable effective **SVM-based classification** with **84% accuracy**, addressing sensitivity to feature magnitude and generalization.
- Dev Events | *Full-Stack Event Discovery Platform* [GitHub Link](#)
- Delivered an **end-to-end developer events platform** with 3+ **core flows** including **event discovery, slug-based pages, and email registrations**, owning the **full lifecycle** from design to deployment.
 - Improved **backend performance** via **hour-level caching** and **API revalidation**, while tracking **10+ user interaction points** to monitor system behavior.

CERTIFICATIONS

Marketing Analytics & Data-Driven Decision Making – NPTEL, IIT Kharagpur May 2025

EXTRACURRICULAR ACTIVITIES

Core Member — Rajasthani Club, VIT: Managed a cultural event for 500+ attendees, 15 activities, 10 food stalls, achieving 29% profit margin.

Event Manager, Discipline Team: Managed logistics for campus events with over 100 participants, ensuring smooth execution.

Community Volunteer, Clean & Green Campus: Organized initiatives promoting environmental awareness and sustainable campus practices.