

Malay Jain



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Education

Sagar Institute of Research and Technology, Bhopal

B.Tech. | RGpv | Artificial Intelligence and Machine Learning | CGPA: 7.86

Aug 2024 – June 2026

St. Joseph's Convent S.S. School, Sagar

12th PCM | CBSE | 84.2%

June 2022

St. Joseph's Convent S.S. School, Sagar

10th | CBSE | 76.5%

June 2020

Technologies

Languages: Python, SQL, C++.

Technologies: Flask, Fast API, Azure Database, MySQL Workbench, Azure Data Studio, Machine Learning, Livekit, RAG.

Projects

GCCD Bhopal AI Chatbot github.com/MalayJain412/CCD-AI

July 2025

- **Built:** Flask-based chatbot using **Gemini 1.5 Flash + LangChain RAG pipeline** for 100+ real-time queries.
- **Deployments:** Hosted on both **GCP** and **Azure** with custom SSL domain.
- **Impact:** Reduced manual query handling by **80%**, supported Hinglish, auto-logged chats to Google Sheets.

VoiceBot with Telephony Integration using LiveKit Platform

Oct 2025

- **Built:** AI VoiceBot with **LiveKit SIP** for inbound/outbound calls and automated CRM integration.
- **Developed:** Dynamic room routing and persona-based replies using dialed-number metadata.
- **Optimized:** Cut call latency by **30%** through Redis caching and modular **FastAPI + LiveKit** design.

A Model for Prediction of Cardiovascular Diseases Using ML github.com/MalayJain412/Heart-Disease-Model

Jun 2024

- **Built:** **Random Forest** model trained on **1,000+** samples with optimized feature selection.
- **Performance:** Achieved **81% accuracy** and **95% precision** on unseen test data.
- **Recognition:** Code copyrighted; research paper under review at international conference. **Registration Number:** L-157174/2024 (Authors: **Malay Jain**, Brajesh Singh Ahirwar, Shubham Rahangdale, Aniket Kumar Mishra with Sagar Institute of Research and Technology.)

Internship Experience

Software Developer – Triotech Bzserve Private Limited (On-Site)

Aug 2025 – Jan 2026

(Ongoing)

- Developing AI agents and backend automation tools using **Python**, **FastAPI**, and **SQL**.
- Building and optimizing APIs, with deployment support through **Docker**.
- Collaborating in a team to deliver scalable AI-driven solutions (in development stage).

AI Intern – Inventohack Innovations Pvt. Ltd. (Remote)

Apr 2025 – July 2025

- Contributed to AI and R&D initiatives, focusing on real-world problem-solving in 2 projects.
- Assisted in data preprocessing, model experimentation, and performance evaluation.
- Gained industry-level insights by working closely with the CTO and development team.

Achievements & Leadership

- **Community Leadership:** GDG Campus Ambassador – organized events, promoted Google technologies and developer culture.
- **Hackathons:** 3rd Place – 1 Billion Row Data Analysis, IIT-BHU; 5th Place – National Hackathon, IIT-BHU.
- **Certifications:** NPTEL – Python for Data Science (Scored 75%).
- **Copyright:** Of code of the A Model for Prediction of Cardiovascular Diseases Using Machine Learning.

Interests & Skills

- **Mentorship:** Guided 20+ juniors on project building, career and tech learning pathways.
- **Volunteering:** NSS blood donation camps; tech events like Google Cloud and WordPress.
- **Interests:** Travel, motorbike riding, basketball, and reading.
- **Soft Skills:** Public speaking, leadership, team collaboration, adaptability, and time management.