Malay Jain

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Education

Sagar Institute of Research and Technology, Bhopal *Aug 2024 – June 2026*
B.Tech.| RGPV | in Artificial Intelligence and Machine Learning | CGPA: 7.77

St. Joseph's Convent S.S. School, Sagar *June 2022*
12th PCM | CBSE | 84.2%

St. Joseph's Convent S.S. School, Sagar *June 2020*
10th | CBSE | 76.5%

Technologies

Languages: Python, SQL, C++.
Technologies: Flask, Azure Database, MySQL Workbench, Azure Data Studio, Machine Learning, Power BI.

Projects

GCCD Bhopal AI Chatbot github.com/MalayJain412/CCD-AI *July2025*

- **Built**: Flask-based chatbot using **Gemini 1.5 Flash + LangChain RAG pipeline** for 200+ real-time queries.
- **Deployments**: Hosted on **Azure** with custom SSL domain.
- **Impact**: Reduced manual query handling by **80%**, supported Hinglish, auto-logged chats to Google Sheets.

SAVE THAT GRAVY: FOOD WASTE MANAGEMENT PLATFORM github.com/MalayJain412/My-Public-Minor-Project *Aug 2024*

- **Built**: Full-stack app with **Python + MySQL** and Random Forest Regressor for demand prediction.
- **Impact**: Cut food waste by **20%**, reduced overproduction by **40%**, and achieved **85%** accuracy.
- **Features**: Automated NGO alert system and inventory module reduced spoilage by **25%**.

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.

Internship Experience

AI Intern – Inventohack Innovations Pvt. Ltd. (Remote) *Apr 2025 – July 2025 (Ongoing)*

- 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.

Publications

Code Copyright: **A Model for Prediction of Cardiovascular Diseases Using Machine Learning** Registration Number: L-157174/2024 *Aug 2024*

- Authors: **Malay Jain**, Brajesh Singh Ahirwar, Shubham Rahangdale, Aniket Kumar Mishra with Sagar Institute of Research and Technology.

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.