

# Malay Jain



✉ malayjain1234@gmail.com ☎ +91-6232155888 🔗 malayjain.me in malay-jain-mldev 🔄 MalayJain412

## 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, Excel.

## Projects

**AI Powered Solar and Wind Energy Forecasting** [git-hub/repo](#)

March 2025

- Built a **ML platform** to forecast solar/wind energy using **36k+ row dataset**.
- Designed **hybrid XGBoost-LSTM** models, cutting errors by **30%**, boosting efficiency by **40%**.
- Achieved **95% accuracy** in solar, **91%** in wind energy forecasts.
- Deployed a real-time **prediction API** integrated into dashboards, slashing decision time by **50%**.

**SAVE THAT GRAVY: FOOD WASTE MANAGEMENT PLATFORM** [git-hub/repo](#)

Aug 2024

- Built a **demand forecasting tool** to cut food waste by **20%**.
- Trained **Random Forest Regressor** models, cutting overproduction by **40%**, reaching **85% accuracy**.
- Developed full-stack app using **Python** and **MySQL**.
- Integrated **inventory system** reducing spoilage by **25%**, auto-alerting NGOs for food redistribution.

**A Model for Prediction of Cardiovascular Diseases Using Machine Learning** [git-hub/repo](#)

Jun 2024

- Built a **predictive model** for early detection of cardiovascular disease achieving **81% accuracy**.
- Trained on a dataset of **1,000+ records**, optimizing feature selection to improve **precision to 95%**.
- Achieved **81% accuracy** and **95% precision** using Random Forest Classifier.
- Secured **copyright** for the code; research paper currently under review for publication.

## Internship Experience

**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.

(Ongoing)

## Publications

Code Copyright: **A Model for Prediction of Cardiovascular Diseases Using Machine Learning**

Aug 2024

(Sagar Institute of Research and Technology) [Registration Number: L-157174/2024](#) [Malay Jain](#),

Brajesh Singh Ahirwar, Shubham Rahangdale, Aniket Kumar Mishra

Copyright of the code was Obtained of the Machine Learning Model.

## Certifications & Achievements

- **Community Leadership:** GDG Campus Ambassador.
- **Hackathons:** **3rd place** – 1 Billion Row Data Analysis, IIT-BHU; **5th place** – National Hackathon, IIT-BHU.
- **Certifications:** NPTEL – **Python for Data Science**, scored **75%**.

## Interests & Extra-Curricular

- NSS volunteer in blood donation camps.
- Volunteered at Google Cloud and WordPress tech events (college & regional level).
- Travel, riding, reading books and playing Basketball.
- I have also been a mentor to 20+ students as a senior.