

# Sarthak Jain

Registration No.: 22BAI10117

Bachelor of Technology(B.tech)

Course: Computer Science and Engineering spec.(AIML)

Vellore Institute of Technology, Bhopal

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🐙 GitHub Profile

🌐 LinkedIn Profile

## EDUCATION

### •Vellore Institute of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering spec.in AIML / CGPA: 8.33

Expected: 2026

Bhopal, India

### •Modern Public School (CBSE)

Senior Secondary / Percentage: 83%

2022

Delhi, India

### •Modern Public School (CBSE)

Secondary School / Percentage: 84%

2020

Delhi, India

## TECHNICAL SKILLS AND INTERESTS

**Programming Languages:** Java, Python, Flask, HTML, CSS, SQL

**Soft/Tools/ libraries:** Visual Studio Code, Git, Brain Simulations, MS Excel.

**Course Work:** DSA, Object Oriented Programming, Operating System, Machine Learning and DBMS.

## PERSONAL PROJECTS

### •AI-Powered Smart Gallery

May 2025 – June 2025

🐙 Repo

[Demo Video](#)

Engineered an AI-based smart image gallery with sorting, searching and pinning features

- Enabled AI-based image sorting into four categories: food, nature, group photos, and solo images with high accuracy.
- Implemented natural language search functionality (e.g., “burger,” “sunset,” “woman”) over image embeddings.
- Integrated pin-to-favorites feature for persistent access to marked images via a responsive front end.

### •Money Counter

Aug 2024 - Sept 2024

🐙 Repo

[Demo Video](#)

Real-time coin counter using computer vision for Indian currency.

- Built a real-time computer vision system to detect and count Indian currency coins using a camera feed.
- Applied image processing techniques to classify coin denominations and compute total monetary value dynamically.
- Utilized Python, OpenCV, and contour detection for accurate coin recognition.

### •Food Cuisine Builder

March 2025 - April 2025

🐙 Repo

Ingredient-based cuisine and recipe recommender website.

- Developed a website where users enter ingredients they have, and the model suggests suitable cuisines.
- Displayed detailed recipes along with nutritional facts for each suggested dish.
- Built using Flask for backend, HTML/CSS for frontend, and a Python-based ML model for prediction.

## ACADEMIC & EXTRACURRICULAR ACHIEVEMENTS

–**Dark Pattern Buster Hackathon 2024**, Semi Finalist among 100 plus participants

–**International Quant Championship 2025** secured global rank 650 among 98,000 participants from all over 110 countries.

## POSITIONS OF RESPONSIBILITY

–**Event Coordinator, AIML club - VIT BHOPAL** Organized weekly seminars and hands on workshop on GANs simplifying complex topics and encouraging practical learning.