

# Saloni Chaurasia

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## Education

VIT Bhopal University

B. Tech

Major in Computer Science;

Minor in Artificial Intelligence and Machine Learning Current CGPA- 8.70

12<sup>th</sup> Standard

Central Academy Sr. Sec School

CBSE Percentage : 82%

10<sup>th</sup> Standard

Central Academy Sr. Sec School

CBSE Percentage : 86.6 %

Bhopal Madhya Pradesh

Expected May 2026

Udaipur, Rajasthan

July, 2022

Udaipur, Rajasthan

July, 2020

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## Projects and Articles

### Research on Gait abnormality Prediction (Group)

- Applied ML models (SVM, KNN, CNN) for gait analysis and abnormality detection.
- Processed large datasets to improve prediction accuracy.

### Vehicle Detection System (Group)

- Real-time vehicle detection using YOLOv8; implemented virtual line tracking.
- Built a robust system for classification and counting vehicles.

### Customer Churn Prediction

- Built churn models with Logistic Regression, Random Forest, and XGBoost.
- Used SHAP and ROC for interpretability and performance metrics.

### Fraud Detection in Financial Transactions

- Developed models using SMOTE, Isolation Forest, and ensemble techniques.
- Achieved F1-score: 0.8578; deployed using Flask for real-time analysis.

### VOC & Image-Based Plant Disease Detection using ML & IoT (Group) (Team Lead)

#### ML Integration for VOC & Image-Based Plant Disease Detection (my contribution)

- Integrated VOC sensors, soil and temperature data with machine learning to detect plant stress and diseases.
- Combined sensor data with image datasets and used CNNs for accurate classification.
- Optimized models with tuning and augmentation, and built a user-friendly dashboard for real-time analysis.

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## Skills and Certificates

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| • Certification Course in Intro to Problem Solving through Vityarthi | May, 2023 |
| • Online Course in Machine Learning through Coursera                 | Dec, 2023 |
| • Completed Machine Learning course from Finlatics, received LOR     | Dec, 2024 |
| • Participated in Viksit Bharat Quiz Challenge                       | Dec, 2024 |
| • Participated in Women to code hackathon in GFG                     | Jan, 2025 |
| • Qualified round 1 Google India Girl Hackathon                      | Feb, 2025 |
| • Qualified in Talent unstop round 1                                 | Feb, 2025 |

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## Languages

- Python, Java, C++
- Languages fluent in English, Hindi