

# Shruti Maurya

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## Professional Summary

Final-year Computer Science student specializing in AI and Machine Learning. Experienced in building ML pipelines, deploying data-driven applications, and designing responsive web tools. Skilled in Python, Scikit-learn, JavaScript, and REST APIs. A quick learner and collaborative team player passionate about solving real-world problems through AI and software development.

## Education

VIT Bhopal University, Bhopal, Madhya Pradesh

Expected May 2026

B.Tech in Computer Science (AI & ML)

CGPA: 7.61 / 10

Relevant Coursework: Machine Learning, Data Structures, DBMS, Operating Systems, Software Engineering

Kendriya Vidyalaya, Noida, Uttar Pradesh

12<sup>th</sup> CBSE ( 85.4%)

Jul 2021

10<sup>th</sup> CBSE ( 82.8%)

Jun 2019

## Project Experience

Movie Recommendation System (Python, Pandas, Scikit-learn) LINK

Oct 2024 – Dec 2024

- Processed 500+ entries to engineer a personalized recommendation engine using.
- Presented movie suggestions via a Jupyter Notebook used by 50+ students.
- Boosted accuracy by refining TF-IDF vector features and streamlining preprocessing steps.

Diabetes Prediction Model (Python, Scikit-learn, Matplotlib) LINK

Feb 2025 – Mar 2025

- Implemented ML models (Logistic Regression, Random Forest) on the PIMA dataset.
- Achieved 78%+ accuracy via preprocessing, feature scaling, and hyperparameter tuning.
- Assessed model performance using ROC-AUC and confusion matrix analysis.

Weather Forecasting Web App (HTML, CSS, JavaScript) LINK

Sep 2024 – Oct 2024

- Developed responsive weather app with real-time API integration and geolocation updates.
- Utilized asynchronous fetch calls and DOM scripting for live interaction.
- Increased user satisfaction by 10% in testing with 25+ users.

## Skills

Programming Language: Python, Java, C++, SQL

Data Science: Scikit-learn, Pandas, NumPy, Matplotlib, TensorFlow

Concepts: Regression, Classification, Neural Networks

Tools & Platforms: Git, GitHub, Jupyter, VS Code, Google Colab, Excel

## Certifications

- Machine Learning Specialization – Coursera
- Generative AI Fundamentals – IBM SkillsBuild
- Python Essentials for AI – E-Vityarthi
- Computer Vision with OpenCV – E-Vityarthi

Jan 2024

Apr 2025

May 2023

Dec 2024

## Extracurricular Activities

- Participated in “Finance 101” by StockPe & FinTech Club, VIT Bhopal
- Attended Auto Engineering workshop, Advitiya 2024, VIT Bhopal
- Contributed in 5+ hackathons and ML seminars as an ML Club core member.

Jan 2023

Feb 2024

## Additional Information

Key Skills: Team Collaboration, Problem Solving, Effective Communication, Adaptability, Time Management

Languages Known: English, Hindi