

Shruti Maurya

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh

B.Tech in Computer Science (AI & ML)

Expected May 2026

CGPA: 7.61/10

Kendriya Vidyalaya, Noida, Uttar Pradesh

12th CBSE

Jul 2021

10th CBSE

Jun 2019

Projects

Weather Forecasting Web App (HTML, CSS, JS, OpenWeather API)

Sep 2024 – Oct 2024

- Pioneered a weather forecast web application using JavaScript, HTML/CSS, and OpenWeatherMap API.
- Implemented geolocation features for dynamic updates based on user's current city.
- Used DOM manipulation and async API calls to display real-time weather data.

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

Oct 2024 – Dec 2024

- Analyzed 5,000+ movie records to build a content-based recommender system.
- Used cosine similarity and vectorization in Scikit-learn.
- Delivered recommendations via a Jupyter-based interface.

Diabetes Prediction Model (Python, Scikit-learn)

Feb 2025 – Mar 2025

- Built and tested models (Logistic Regression, Random Forest) on the Pima Indian dataset.
 - Preprocessed features and visualized data using Matplotlib.
 - Evaluated using confusion matrix and ROC-AUC; achieved 78%+ accuracy.
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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
- Participated in Auto Engineering event, Advitiya 2024, VIT Bhopal
- Active in hackathons and ML club discussions

Jan 2023

Feb 2024

Technical Skills

Languages: Python, Java, C++, SQL

ML & Data Science: Scikit-learn, TensorFlow, Pandas, NumPy, Matplotlib, OpenCV

Concepts: Classification, Regression, APIs, Feature Engineering, Neural Networks

Tools: Jupyter, Git, VS Code, Excel, PowerPoint

Soft Skills: Problem Solving, Teamwork, Communication, Agile

Additional

Languages Known: English, Hindi