

SHALINI THAKUR

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🌐 [LinkedIn](#)

🐙 [Github](#)

Education

VIT Bhopal University, Bhopal, MP

Expected May 2026

Bachelor of Technology (B.Tech) in Computer Science — GPA: 8.66/10.0

Senior Secondary (Class 12)

August 2022

St. Montfort School, Bhopal — 82.2% / CGPA: 8.22

Secondary (Class 10)

June 2020

St. Montfort School, Bhopal — 91.2% / CGPA: 9.12

Technical Skills & Relevant Coursework

Languages: Python, Java, HTML/CSS, JavaScript

Databases & Tools: SQL, VS Code, GitHub

Coursework: Data Structures, Algorithms, Database Management, OOPS

Projects

Jaipur Tourism Recommendation System | Python, Pandas, Scikit-learn, NLP

September 2023

Developed 3 recommendation systems to enhance the Jaipur tourism experience by assisting users in finding hotels, restaurants, and destinations based on preferences.

- **Hotel Recommendation System:** Enabled users to enter a price range and receive a list of hotels matching their budget, implemented using Python and Pandas.
- **Restaurant Recommendation System:** Designed an input-based recommendation system where users specify restaurant category, cuisine, dietary preference (Veg/Non-Veg), and max price to get personalized suggestions.
- **Destination Recommendation System:** Applied NLP techniques, including TF-IDF vectorization and cosine similarity (Scikit-learn), to recommend destinations based on user input.

Crop Prediction System | Python, Random Forest, OpenWeather API, Machine Learning

January 2024

Developed an AI-powered crop prediction system to assist farmers and agricultural analysts in making data-driven decisions.

- Integrated **OpenWeather API** to dynamically fetch temperature and humidity for any location.
- Implemented a **Random Forest-based predictive model** with **97.26% accuracy**, recommending the optimal crop based on soil properties.
- Processed **14,406 data points** to train and validate the model for enhanced prediction reliability.

Real-Time Crop Price Retrieval System | Python, Flask, data.gov.in API

January 2025

- Integrated **data.gov.in API** to fetch and display live crop prices dynamically.
- Built a **Flask-based web application** allowing farmers to enter their **city name** and get updated market prices.

Certifications

Cloud Computing (NPTEL): [Verify](#)

- Successfully completed Cloud Computing course by NPTEL, securing Silver certification with a 82% score.

Market Analysis (NPTEL): [Verify](#)

- Successfully completed Cloud Computing course by NPTEL, securing Silver certification with a 76% score.

Profiles / Achievements

Coding Profiles

[LeetCode](#) (250+ Solved) | [GeeksForGeeks](#) (150+ Solved)

Problem-Solving Skills: Solved **400+ DSA problems** across Leetcode and GeeksforGeeks.