

# UDITYA NARAYAN TIWARI

Jaunpur, Uttar Pradesh

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## EDUCATION

### VIT Bhopal University, Kothrikalan

B.Tech - Computer Science Engineering with AI & ML - CGPA: 8.91

2023 – Present

VIT Bhopal University

### RHS Inter College Singramau, Badlapur, U.P

XII (State Board) - Percentage: 70%

2022

Badlapur, Uttar Pradesh

### SLBM Purvanchal H S S Badlapur, Jaunpur, U.P

X (State Board) - Percentage: 77%

2020

Jaunpur, Uttar Pradesh

## EXPERIENCE

### Core Member, Matrix Media Club

Role: Member of Tech Team

Jan-2025 Jul-2025

VIT Bhopal University

- Building Smart applications for focusing on the seamless communication between Hosts and Clients

### Technical Member, Microsoft Learn Student Chapter

Role: Member of Tech Team and Admin of Microsoft Student Technical Community VIT Bhopal

April 2025 - Present

- Leading technical initiatives with Microsoft technologies including Azure cloud services, Organizing workshops and mentoring students in Microsoft technology stack.

## PROJECTS

### Weather Forecasting Web App | Python

April 2024

- Developed a web application that provides real-time weather forecasts using responsive design and integrated APIs. Implemented features for location input, display of current and future weather, and forecast visualization to enhance user experience.

### Breast Cancer Prediction using ML Models | Python, Jupyter Notebook

September 2024

- Built a compact machine learning project to predict breast cancer diagnosis using UCI data. Compared multiple models (Logistic Regression, Decision Tree, Random Forest, SVM, k-NN) for classifying tumors. Random Forest achieved highest accuracy and ROC-AUC.

### Credit Card Approval Prediction Using ML Model | Jupyter Notebook, VS Code

June 2025

- Developed a machine learning web app to predict credit card approval using user financial data. Implemented data preprocessing, trained Random Forest and other classification models, and deployed real-time predictions with a Flask interface. Evaluated model performance using accuracy and F1 score.

### Smart Medical Care For Rural Areas | Jupyter Notebook, VS Code

Nov 2025

- Developed an AI-powered medicine recommendation system that leverages Natural Language Processing (NLP) techniques to suggest medicines based on user symptoms. Implemented Sentence Transformer and MMR cosine similarity for accurate symptom-to-medicine matching, along with data preprocessing and feature extraction pipelines. Integrated the ML model with a Flask-based backend to deliver real-time, intelligent recommendations.

## SKILLS

**Languages:** Python, C++, Java, C, SQL

**Technologies/Frameworks:** NLP, Scikit-learn, Matplotlib, Seaborn, Data Preprocessing, ML Model Evaluation, OOP, Algorithms & Data Structures

**Developer Tools:** VS Code, PyCharm, IntelliJ, Canva, Kaggle

**Soft Skills:** Leadership, Teamwork and Collaboration, Communication, Problem-Solving, Time Management, Multitasking

## CERTIFICATES

- Geodata Processing using Python (IIRS, ISRO) - Feb 2024
- AI/ML For Geodata Analysis Indian Institute of Remote Sensing (IIRS), ISRO - Sep 2024
- IU Indianapolis Insights on Computational Data Science (IU Indianapolis) - Nov 2024
- Final Round Qualifier, VIT Bhopal x Johns Hopkins University International Hackathon - Jan 2025
- First prize winner in VIT Bhopal University Hackathon - Feb 2025