

# Ashutosh Kumar Yadav

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## SKILLS

**Programming Languages:** Java, Python

**Machine Learning:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Preprocessing

**CS Fundamentals:** Computer Networks, Operating Systems, Object-Oriented Programming, DBMS

**Agile Development:** Agile Scrum (Infosys Springboard certified)

**Soft Skills:** Leadership, Team Collaboration, Project Management

## EXPERIENCE

### Infosys Springboard 5.0 - ML Intern

Oct 2024 - Dec 2024

- Led end-to-end development of a disaster tweet classification system using NLP and ML, achieving 92% accuracy; implemented data preprocessing, feature engineering, and model optimization with Random Forest, XGBoost, and Logistic Regression.
- Managed cross-functional team of 5 members, overseeing timelines, assigning roles, and ensuring all milestones were delivered on schedule and within scope.
- Created detailed technical documentation and delivered weekly reports, improving communication efficiency by 30% maintaining clear team communication throughout the project.

## PROJECTS

### Disaster Tweet Analyzer | *Individual Project*

Oct 2024 - Dec 2024

- Created an Natural Language Processing (NLP) model for disaster tweet classification, achieving 92% accuracy; contributed 100% to data preprocessing, 25% to dataset engineering, and 70% to model training and optimization using Random Forest (92% accuracy), XGBoost (85% accuracy), and ultimately deploying Logistic Regression (92% accuracy) as the final model
- Engineered features using TF-IDF and implemented SMOTE-NC to address class imbalance, rectifying imbalance of minority class by 15%.
- Designed and Developed a bot and fake tweet detection pipeline, increasing dataset credibility and reducing noise by 15%.

### FINBOTIO 1.0 & 2.0 | *Team Project*

Mar 2024 - May 2024

- Built a foundational finance chatbot aimed at beginners, featuring a database of 300+ keywords and Dialogflow integration
- Collaborated in a 5-member team to create an basic finance-based chatbot for personalized financial advice.

## POSITIONS OF RESPONSIBILITY

- Team Lead**, Infosys Springboard Internship Project
- Project Leader**, Team-FINBOTIO at College Project Exhibitions (1.0 & 2.0)
- Captain**, Volleyball Team in multiple college-level tournaments

## EDUCATION

### VIT Bhopal University - Cumulative GPA: 8.86/10

*Bachelor of Technology in Computer Science and Engineering - Spec. AIML*

Bhopal, Madhya Pradesh

2022 - 2026 (Expected)

### Navy Children School - 12th [CBSE] - Percentage: 93%

May 2021

### Kendriya Vidyalaya No.2 - 10th Standard. Percentage: 88.2%

May 2019

## ACHIEVEMENTS & INTERESTS

- Selected in TOP 500** in Ericsson Edge Academia Program
- Hobbies:** Fitness, current affairs, puzzle solving

## CO-CURRICULAR ACTIVITIES

- Reached Top30 in **SolVit Hackathon** (project-Based) among 80+ teams - RecruitMate - ML Developer
- Participated in **TATA Elxsi Ideathon** (Idea-Based) - FreqShield - Research Analyst
- Participated in **Model-Rocket Building Competition** with a 10-Membered Team and Successfully launched.
- Active **core member of CGCT** University student group.