

ASHUTOSH KUMAR YADAV

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SUMMARY

Aspiring Software Development Engineer with a foundation in Computer Science and specialization in AI/ML, actively developing skills through hands-on projects and internships. Strong interest in contributing to impactful projects at leading tech companies. Skilled in Java programming, Python-based ML development, and project management.

SKILLS

Programming Languages: JAVA, Python

- **Machine Learning:** Machine Learning, Deep Learning, Natural Language Processing (NLP), Data Preprocessing
- **Agile Development:** Agile Scrum Infosys springboard certified
- **Soft Skills:** Leadership, Team Collaboration, Project Management

EXPERIENCE

Infosys Springboard 5.0 - ML Intern

Oct 2024 – Nov 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 - Jan 2025

- Led the end-to-end development of a 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 implemented a bot and fake tweet detection pipeline, increasing dataset credibility and reducing noise by 15%.

FINBOTIQ 1.0 & 2.0 (Team Project)

Sep 2023- Nov 2023 & Feb 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 for Infosys Springboard Internship Project
- Led Team-FINBOTIQ at College Project Exhibitions (1.0 and 2.0)
- Volleyball Team Captain in multiple college-level tournaments

EDUCATION

Bachelor of Technology in Computer Science and Engineering

July 2022 - Present

- Vellore Institute of Technology, Bhopal, Specialization: Artificial Intelligence and Machine Learning
- Expected Graduation: June 2026

CGPA: 8.68

ACADEMIC HISTORY

XII (CBSE)

93% | 2021

X (CBSE)

88% | 2019

ACHIEVEMENTS & INTERESTS

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