ASHUTOSH KUMAR YADAV

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SUMMARY

Aspiring Software 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 Python-based ML development, project management.

SKILLS

Programming Languages: JAVA, C++ (Beginner)

- **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

INTERNSHIP EXPERIENCE

Tata Prasikshan 2024 - Automation Intern **Oct 2024 – Dec 2024**

- DEVELOPMENT ON WEB BASED VISUALIZATION USING ASP .NET AND MVC
- Completed vocational training at Tata Steel Ltd., Jamshedpur, contributing to the development of a Full Stack Hospital Management System, while gaining hands-on experience in enterprise-grade software development under professional mentorship.

Infosys Springboard 5.0 - Disaster Tweet Analyzer Intern **Oct 2024 – Nov 2024**

- Spearheaded the development of an NLP-based disaster tweet classification model, contributing to 100% of data preprocessing, 80% of dataset creation, and 70% of ML model development, resulting in a model accuracy of 91%.
- 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 onboarding efficiency by 30% and maintaining clear team communication throughout the project.

PROJECTS

Disaster Tweet Analyzer (Individual Project) **Oct 2024 - Jan 2025**

- Led the development of a Natural Language Processing (NLP) model to classify disaster-related tweets with 91% accuracy, contributing to 100% of data preprocessing, 80% of dataset engineering, and 70% of model training and tuning using Random Forest, XGBoost, and Logistic Regression.
- Engineered features using TF-IDF and implemented SMOTE-NC to address class imbalance, improving recall on minority class by ~15%.
- Designed and implemented a bot and fake tweet detection pipeline, increasing dataset credibility and reducing noise by 20%

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 **CGPA: 8.68**
- Expected Graduation: June 2026

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.