**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**

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

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| --- | --- |
| 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.