

Ashutosh Kumar Yadav

+91 8975665170 | ashutoshkumaryadav040903@gmail.com | linkedin | github

EDUCATION

VIT Bhopal University - Cumulative GPA: 8.86/10

Bhopal, Madhya Pradesh

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

2022 - 2026 (Expected)

SKILLS

Programming Languages: Python, Java

Machine Learning & Data Science: Scikit-learn, Exploratory Data Analysis, Pandas, NumPy, Seaborn, Matplotlib

MLOps & Cloud: MLflow, AWS

Web Development: Flask, Streamlit

Developer Tools: Git, GitHub

CS Constructs: 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.
- Prepared detailed technical documentation and delivered weekly reports, improving communication efficiency by 30% maintaining clear team communication throughout the project.

PROJECTS

EduSight | *Python, Flask, scikit-learn, Pandas, NumPy*

Mar 2025 - Apr 2025

- Developed a Machine Learning project to predict student math scores with an 88% R2 using Linear Regression, analyzing demographic, academic, and socio-economic factors. Conducted extensive EDA on 1000 records, revealing key insights into performance drivers like lunch type and gender.
- Implemented a modular pipeline, preprocessing data and training various models (Linear Regression, Random Forest) with GridSearchCV. Built a Flask web application with a responsive UI for real-time student math score predictions.

Disaster Tweet Analyzer | *Python, Flask, Pandas, Numpy, NLTK, Spacy, Scikit-learn*

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
- Designed and Refined 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 for personalized financial advice aimed at beginners, featuring a database of 300+ keywords and Dialogflow integration
- Worked upon Dialogflow for Chatbot configuraions and Collaborated in a 5-member team to create the Chatbot.

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

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
- Active **core member of CGCT** University student group.
- Participated in **Model-Rocket Building Competition** with a 10-Membered Team and Successfully launched.