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

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.
- Developed 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 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	Bhopal, Madhya Pradesh
Bachelor of Technology in Computer Science and Engineering - Spec. AIML	*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
- Active **core member of CGCT** University student group.
- Participated in **Model-Rocket Building Competition** with a 10-Membered Team and Successfully launched.