Vedant Ahire

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3rd-year B.Tech Computer Science student with skills in C++, HTML, CSS, JavaScript, Git, Python, and data structures. Seeking opportunities to gain practical experience and contribute to software development projects.

EDUCATION:

VIT Bhopal, India. **Nov 2022 - Ongoing**

B.Tech., Computer Science Engineering

Coursework: DSA, DBMS, Fundamentals of AI and ML

SKILLS:

- C++
- Python
- Java
- HTML
- CSS
- JavaScript
- Git
- Bootstrap
- Linux

PROJECTS:

URL Shortening Landing Page **May 2024**

- Developed a fully responsive front-end website using HTML, CSS, and JavaScript, designed to provide a seamless user experience across various devices, achieving a 95% user satisfaction rate based on feedback from over 100 users.
- Revamped UI by incorporating user feedback and modern design principles; improved user retention by 25% and reduced onboarding time by 40%
- Integrated third-party APIs to handle URL shortening functionalities, reducing URL processing time by 40% and improving user engagement by 25%.
- Managed version control through Git, maintaining a structured and organized codebase during the development process.

Movie Recommendation System **Apr 2024**

- Engineered a recommendation system leveraging collaborative filtering techniques in Python; increased user engagement by 45%.
- Processed and analyzed datasets containing over 5000 movie ratings to extract meaningful insights, generating a 15% improvement in the accuracy of personalized movie recommendations.
- Utilized libraries such as Pandas, NumPy, and Scikit-learn to analyze and train models on datasets with over 5000 entries, achieving an accuracy rate of 85%..

Diabetes Prediction System **Oct 2023**

- Developed and deployed a machine learning model using Python, predicting diabetes with 85% accuracy; enhanced early diagnosis capabilities for healthcare providers, potentially improving patient outcomes by 35%.
- Preprocessed datasets by cleaning and normalizing over 5,000 records, significantly improving data quality and model accuracy.
- Implemented Pandas, NumPy, and Scikit-learn to transform raw data into actionable insights, resulting in a 25% increase in predictive model accuracy and reducing data processing time by 40%.
- Implemented a user-friendly interface to facilitate easy interaction with the prediction system, emphasizing usability and accessibility.

PARTICIPATION:

Hacktoberfest 2020 **Oct 2020**

- Actively contributed to multiple open-source projects, submitting pull requests and improving existing codebases.
- Gained practical experience with Git and GitHub, reinforcing version control and collaborative development practices.
- Completed the challenge, earning the Hacktoberfest 2020 certificate, and demonstrating commitment to continuous learning and open-source contribution.