ASHVIN SINGH

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SUMMARY

Motivated second-year college student passionate about Data Science, Machine Learning, and Artificial Intelligence. Proficient in Python, C++, and data analysis libraries such as Pandas, NumPy, and Scikit-learn. Strong interest in building machine learning models and continuously improving data visualization and web development skills. Interested in applying academic knowledge to real-world challenges and innovative projects.

EDUCATION

B.Tech in Computer Science & Engineering (AIML) Graduating August 2027
VIT Bhopal University, Prayagraj, UP, India 8.05/10 GPA

Relevant coursework: Relevant coursework in Data Science, Machine Learning and AI

TECHNICAL SKILLS

Programming Languages: Python, C++, C
Web Development: HTML, CSS, JavaScript
Machine Learning: Scikit-Learn, Pandas, NumPy, Seaborn, TensorFlow, CNN
Tools: GitHub, Visual Studio Code, Replit
Concepts: Data Structures & Algorithms, OOPS, DBMS, Version Control

PROFESSIONAL EXPERIENCE

College Tech Club, VIT Bhopal: Core Member 2023 – Present
Coordinated a hackathon where participants created websites based on a designated Figma design.
Supplied the designs for the sites and evaluated their responsiveness to assign scores.

ACADEMIC PROJECTS

Fake Product Detection Jan 2024 – Mar 2024
Created a machine learning project that evaluates images to assess whether a product image is genuine or counterfeit.
Utilized Python, TensorFlow, and CNN to train a model for authenticity classification.
Achieved 70% accuracy on test dataset after preprocessing and augmentation.

Snake Game Sep 2023
Developed a responsive snake game using HTML, CSS, and JavaScript.
Implemented game logic using JavaScript with keyboard (arrow keys) and touch controls.
Designed mobile-friendly UI with on-screen buttons for phone users.

Movie Recommendation System Apr 2024
System that recommends movies to the user based on ratings using matrix factorization.
Built using Python and collaborative filtering with matrix factorization technique.
Achieved 90% accuracy in predicting user preferences on test data.

ACTIVITIES

Open Source Contributor 2023 – Present
Active contributor to GitHub repositories focused on AI tools and web development frameworks.

- Collaborate on bug fixes, documentation, and feature enhancements in Python-based open-source projects.
- Participate in hackathons and community coding challenges.