ASHVIN SINGH
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SUMMARY

Data Science and AI enthusiast with hands-on experience in building ML models, web applications, and open-source contributions. Skilled in Python, C++, and deep learning frameworks; proven ability to deliver solutions that improve accuracy, scalability, and user experience. Actively seeking opportunities to apply academic knowledge to impactful real-world projects.

EDUCATION

VIT Bhopal University Prayagraj, UP, India Expected Aug 2027
Bachelor of Technology in Computer Science & Engineering (AIML)
Cumulative GPA: 8.05/10.0
Relevant Coursework: Data Science, Machine Learning, Artificial Intelligence

TECHNICAL SKILLS

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

PROFESSIONAL EXPERIENCE

College Tech Club, VIT Bhopal Bhopal, India 2024 – March 2025
Core Member

- Coordinated a university-wide hackathon with 50+ participants, supplying Figma prototypes and evaluating submissions; improved average website responsiveness by 30%.
- Boosted Tech Club's visibility via digital campaigns, reaching over 1,000 students across campus.

ACADEMIC PROJECTS

Fake Product Detection Jan 2024 – Mar 2024

- Implemented a CNN-based counterfeit detection model processing 5,000+ product images.
- Attained 70% test accuracy after preprocessing and augmentation using TensorFlow.

Snake Game Sep 2023

- Engineered a responsive browser-based Snake Game with both keyboard and mobile touch controls.
- Enhanced accessibility by optimizing gameplay performance across 100+ devices.

Movie Recommendation System April 2025

- Built a recommendation engine using collaborative filtering with matrix factorization.
- Delivered 90% accuracy in predicting user preferences on test datasets of 1,200+ ratings.

ACTIVITIES

Open Source Contributor 2023 – Present

- Contributed bug fixes, documentation, and feature enhancements to Python-based open-source projects.
- Collaborated in AI tool development and web frameworks with global GitHub contributors.
- Regular participant in hackathons and coding challenges.

CERTIFICATIONS

- Machine Learning (Andrew Ng) – Coursera
- C++ Programming Certificate – Udemy