ADARSH SHARMA

Software Engineering Student | Machine Learning Enthusiast
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PROFILE SUMMARY

Third Year Computer Science Student at VIT Bhopal University with a 9.07 CGPA. Love working on AI and Machine Learning Projects. Looking for internship opportunities to apply skills in real life problems and scenarios and to come up with innovative solutions for them. Passionate and excited to use technology in building the future ahead.

EDUCATION

B.Tech in Computer Science & Engineering
VIT Bhopal University | 2023 - 2027 | CGPA: 9.07/10
Important Courses: Data Structures & Algorithms, Database Management, Software Engineering, Machine Learning, Computer Networks
Class 12th (CBSE) | 2023 | 92%
Class 10th (CBSE) | 2021 | 94.8%

SKILLS

Programming: Python, Java, C++, C, JavaScript, HTML, SQL
Machine Learning: TensorFlow, Scikit-learn, Pandas, NumPy
Tools: Git, GitHub, VS Code, MySQL
Others: Data Structures, Algorithms, Object-Oriented Programming, Cloud Computing

CERTIFICATIONS

- Generative AI by IBM- June 2025
- Data Science using Python by iamneo- June 2025
- Introduction to Programming Using Python by Vityarthi – September,2024
- Programming Using Java by Vityarthi – April,2024
- Fundamentals of AI and ML by Vityarthi – December,2023

PROJECTS

Drowsiness Detection using Transformer model *[January-April 2025]*

- Developed a real-time driver drowsiness detection system using computer vision and machine learning techniques
- Implemented facial landmark detection to monitor eye closure patterns and detect signs of fatigue
- Integrated alert mechanisms to notify drivers when drowsiness is detected, enhancing road safety

Basic Sign Language Translator [*September–December 2024*]

- Python, Hand Sign Recognition, Machine Learning algorithms like CNN
- Created a basic sign language translator using hand sign recognition using OpenCV2
- Implemented detection and recognition algorithms (CNN) to identify basic sign language

Tweet Generator using Generative AI *[May-June 2025]*

- Developed an AI-powered tweet generator using dual model architecture with fine-tuned GPT-2 and Llama 3.2-1B-Instruct models
- Implemented interactive web interface using Gradio with customizable parameters for creativity control and real-time generation
- Achieved 85% coherence rate in generated narratives with response times under 15 seconds, optimized for both GPU and CPU deployment

Breast Cancer Data Analysis [July 2025]

- Applied various supervised machine learning algorithms like Decision Tree, Random Forest, Linear and Logistic Regression and K-Nearest Neighbours.
- Achieved an accuracy and precision score of over 92% for all of them.

ACHIEVEMENTS

- Maintained 9+ CGPA throughout college
- Won recognition in 2 major hackathons as team leader
- Built 4 complete projects that actually work and solve real problems
- All my machine learning projects achieved 85%+ accuracy