Aman Yadav

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Education

VIT Bhopal University Sehore, MP

Bachelor of Technology in Computer Science and Engineering; CGPA: 9.05/10.0 *Sep 2022 - May 2026*

Achievements

- Podium finish in the Inter VIT Hackathon (AdVITya 24).
- Ranked in the top 150 teams out of more than 1000 participants in a prestigious national hackathon organized by GeeksforGeeks and Vultr, demonstrating advanced technical expertise.
- First Place, AARAMBH Basketball Championship 2023. , Runner Up in Advitya Basketball tournament 2024

Certifications

- **Applied Machine Learning In Pyhton** (Coursera) – Dec 2023
- **Privacy Security in Online Social Media** (NPTEL) – Apr 2024

Technical Skills

- **Programming Languages**: Python, C/C++, , JavaScript, Java, HTML/CSS
- **Frontend**: React/ReatNative, HTML/CSS, Bootstrap
- **Backend**: Node.js, Express.js
- **Databases**: MongoDB, MySQL, sqlite
- **Frameworks**: Django, Flask, dotnet, FastAPI
- **DevOps**: Docker, AWS, kubernetes
- **Libraries**: pandas, NumPy, scikit-learn, TensorFlow, PyTorch, opencv

Projects

GesturEase |*Python, OpenCV, HCI, AI, Operating Systems* July 2023 – Sep 2023

- Developed an AI-powered gesture recognition interface using Python, OpenCV, and Human-Computer Interaction (HCI) principles to assist senior citizens and patients with Parkinson's Disease in navigating digital platforms without traditional input devices.
- Integrated real-time gesture detection leveraging computer vision and machine learning algorithms, improving accessibility and user independence for individuals with motor impairments.
- Aligned with AI–Metaverse convergence trends, this project contributes to inclusive, next-generation human-computer interaction and digital healthcare platforms.

Beatwell-AI |***Python, Scikit-learn, Keras, TensorFlow, Pandas, NumPy, Matplotlib*** Feb 2025 - March 2025

- Developed an intelligent health diagnostic model using machine learning and deep learning techniques (Logistic Regression, SVM, KNN, Decision Tree, Random Forest, XGBoost, ANN) to predict heart disease risk based on patient data.
- Enhanced early detection accuracy through rigorous data preprocessing, feature analysis, and performance evaluation using precision, recall, F1-score, and ROC curves—enabling proactive healthcare intervention.
- Built a scalable and explainable solution with Scikit-learn and Keras, combining clinical relevance with model interpretability and strong predictive performance for real-world medical applications.