# Aman Yadav

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## Certifications

- AWS Cloud Practitioner Essentials (Amazon) – Nov 2025 ↗
- Introduction to AI (Google) – Nov 2025 ↗
- Data Analytics (Google) – Nov 2025 ↗
- Foundations of AI and Machine Learning (Microsoft) – Nov 2025 ↗
- Generative AI (IBM) – Nov 2025 ↗
- SQL Foundation (Microsoft) – Nov 2025 ↗

## Technical Skills

- Python,C++, JavaScript, Java, ReactJs, Next.js, HTML, CSS, Node.js, Machine Learning, Neural Network, Matplotlib, Express.js, Django, Flask, FastAPI, .NET, MongoDB, PostgreSQL, MySQL, AWS (EC2, S3, RDS, Lambda), Google Cloud, MS Excel, MS Office, Docker, Kubernetes, Git, Bash, CI/CD, REST APIs, GraphQL, TensorFlow, PyTorch, UI/UX, Scikit-learn, OpenCV, pandas, NumPy, Power BI, NLP, Business Process Analysis

## Experience

**Software Intern | *HackerRank (Remote)***     Mar 2025 – May 2025
- Developed and optimized backend APIs in Python and Node.js, improving response time by **25%** for coding challenge submissions.
- Implemented automated test suites using PyTest and Jest, increasing code coverage to **90%+** and reducing production bugs.
- Collaborated on a real-time leaderboard system handling 50K+ concurrent users, ensuring **99.5% uptime** during high-traffic events.

## Projects

**GesturEase | *C++, OpenCV, HCI, AI, MongoDB***     Jul 2023 – Sep 2023
- Engineered an AI-powered gesture recognition interface that **increased accessibility by 40%** for senior citizens and Parkinson's patients.
- Achieved **95% accuracy** by integrating real-time gesture detection with computer vision and ML algorithms.
- Simplified user interactions by designing intuitive gesture controls, making the system easy to use for **Parkinson's and elderly users.**
- Advanced inclusivity in HCI and healthcare platforms aligned with AI–Metaverse convergence trends.

**Beatwell-AI | *Node.js, MySQL, Python, Keras, TensorFlow, ML, DL***     Feb 2025 – Mar 2025
- Built an AI-driven diagnostic model using ML/DL techniques (LogReg, SVM, RF, XGBoost, ANN), reaching **94% accuracy**.
- Enhanced early disease detection with a **30% improvement in recall and F1-score** via preprocessing and feature engineering.
- Delivered a scalable, explainable healthcare solution ensuring clinically relevant insights for **1,000+ active users**.
- Improved usability and adoption by designing a user-friendly workflow enabling easy interaction for both patients and healthcare professionals.

## Education

**VIT Bhopal University | B.Tech CSE (AI/ML Specialization)**     Sep 2022 – Jul 2026
- CGPA: **9.02/10**

## Extra-Curricular Activities & Achievements

- Podium finish in Inter VIT Hackathon (AdVITya 24).
- Advanced to Round 2 of Adobe India Hackathon 2025.
- Ranked Top 150/1000+ teams in GeeksforGeeks & Vultr national hackathon.
- 1st Place: AARAMBH Basketball Championship 2023; Runner-up: Advitya Basketball Tournament 2024.

## Languages

**English, Hindi**