

Vishvesh Mukesh

vishveshmukesh04@gmail.com — +91 8307300754 — linkedin.com/in/vishveshmukesh

Summary

Entry-level AI/ML Engineer with expertise in deep learning, computer vision, and NLP, backed by an IEEE-published paper on GANs for biomedical informatics. Achieved measurable results including 96.7% accuracy in sign language recognition and a 15% lift in medical anomaly detection. Skilled in PyTorch, TensorFlow, Docker, Kubernetes, and AWS, with hands-on experience deploying scalable ML solutions.

Experience

- DevOps Intern, RAH Infotech (Remote)** Aug 2024 – Oct 2024
- Reduced deployment time by 40% by engineering optimized CI/CD pipelines with Jenkins.
 - Automated recurring Linux/Shell tasks, saving 20+ hours per month and reducing errors.
 - Improved scalability by containerizing apps with Docker and deploying multi-container clusters on Kubernetes.
 - Strengthened security and reliability by configuring AWS EC2 instances and VPCs for production-ready deployments.

Key Projects

- Text-to-Image with Stable Diffusion** – Fine-tuned LoRA-based diffusion models for high-resolution synthesis, reducing artifacts by 20%. 2025
- Medical Anomaly Detection with VAEs** – Boosted anomaly detection accuracy by 15% across CT/MRI/X-ray datasets with custom VAE model. 2024
- Biomedical Informatics with GANs (IEEE)** – Designed GAN-based solutions for medical imaging and drug discovery; published in IEEE Xplore and showcased at University Project Expo. 2024
- Sign Language Recognition** – Built LSTM + OpenCV model achieving 96.7% accuracy on 100k+ ASL samples; deployed real-time system for accessibility. 2023

Education

- Chandigarh University, Punjab, India** Aug 2021 – Jul 2025
- B.E. Computer Science & Engineering (Hons.), Specialization in AI/ML (IBM)
 - CGPA: 7.71/10

Technical Skills

- **Languages:** Python, C++, SQL, Java
- **Frameworks & Libraries:** PyTorch, TensorFlow, Scikit-learn, OpenCV, Hugging Face
- **ML Domains:** Deep Learning, Computer Vision, NLP, Generative AI (GANs, VAEs, Diffusion Models), LLMs
- **MLOps & Cloud:** Docker, Kubernetes, Jenkins, Git, CI/CD, AWS (EC2, S3, VPC)

Certifications

- Advanced Machine Learning on Google Cloud – Google
- Applied Machine Learning in Python – University of Michigan

Publications & Recognition

- IEEE Publication: *Empowering Biomedical Informatics through GANs* (2024) [6].
- Nominated – University Project Expo for GANs research