

Muhammad Ahmad

Machine Learning | Computer Vision

📍 Pakistan 📞 [+923103362862](tel:+923103362862) @ ahmdliaquat@gmail.com

Summary	Results-driven Machine Learning Engineer with over 1 years of experience building and deploying AI-driven solutions. Specialized in computer vision, generative AI, and deep learning with hands-on expertise in Stable Diffusion, GANs, and cloud-based model deployment. Proven ability to lead end-to-end AI projects, optimize model performance, and develop production-grade applications.	
Experience	<div>GOFTECH ML / CV Engineer</div> <div><ul style="list-style-type: none">Developed a Hair Color Transformation tool using StyleGAN2 and custom hair segmentation for accurate, frame-wise color editing and full video synthesis.Created an AI Makeup Artist system leveraging DeepLabv3 for facial landmark detection with real-time virtual makeup application and video reconstruction.</div>	<div>Jun 2024 – Aug 2024 Islamabad, PK</div>
Education	<div>COMSATS University Islamabad, Wah Campus Computer Science Final Year Project</div> <div>Next GEN Video Cartoonizer - Stable Diffusion, ESRGAN, React.js, Flask<ul style="list-style-type: none">Built a video-to-3D cartoonizer using Stable Diffusion and ESRGAN for enhanced visuals.</div>	<div>Feb 2021 - Jan 2025 Bachelors</div>
Skills	<div>Programming Python, JavaScript (React.js), Flask</div> <div>AI/ML Frameworks PyTorch, TensorFlow, OpenCV, scikit-learn</div> <div>Cloud & Deployment AWS, Docker</div>	<div>Machine Learning Supervised & Unsupervised Learning, Feature Engineering, Model Optimization</div> <div>Specialties Computer Vision, Diffusion Models, GANs, Image & Video Processing, Generative AI</div>
Projects	<div>Brain Tumor Classification (ML/ CV)<ul style="list-style-type: none">Trained a ResNet-50 model to classify brain MRIs into four categories glioma, meningioma, pituitary tumor, and no tumor achieving high accuracy on a labeled medical dataset.</div> <div>Music Genre Classification & Recommendation System (ML, Audio Processing)<ul style="list-style-type: none">Designed a Feedforward Neural Network (FNN) trained on the GTZAN dataset to classify music genres from uploaded audio files and provide intelligent song recommendations.</div> <div>Text-to-Speech System (NLP)<ul style="list-style-type: none">Built a real-time text-to-speech pipeline integrating natural language preprocessing and deep voice synthesis models for lifelike audio generation.</div> <div>Animate Still Images<ul style="list-style-type: none">Developed an animated portrait generator using Stable Diffusion and ControlNet to animate static images based on facial motion prompts and text input.</div>	