

MOHAMMAD OWAIS

Mianwali, Pakistan | (+92) 314-6981530 |

owaiskhan2501000@gmail.com

GitHub: github.com/owaiskhan2501000 |

LinkedIn: [Mohammad Owais LinkedIn](#)



PROFESSIONAL SUMMARY

Aspiring AI Researcher and Computer Science finalist focused on **Computer Vision** and **Deep Learning**. Passionate about developing real-time detection systems and generative AI models. Proficient in Python, OpenCV, and TensorFlow. Seeking a Master's degree in Artificial Intelligence to contribute to advanced research.

EDUCATION

BS Computer Science Abbottabad University of Science and Technology, Pakistan | *March 2027*

- **Relevant Coursework:** Artificial Intelligence, Computer Vision, Digital Image Processing, Deep Learning, Data Structures & Algorithms.

TECHNICAL PROJECTS

Real-Time Face Mask Detection System (Computer Vision)

- Built a real-time detection system using **Python** and **OpenCV** to identify masked and unmasked faces.
- Implemented **Haar Cascade classifiers** with optimized sensitivity logic to reduce false positives.
- Integrated **DroidCam** via USB debugging to utilize high-resolution mobile feeds for better accuracy.
- **Tools:** Python, OpenCV, VS Code.

Anime Style Transfer (Generative AI & GANs)

- Developed a deep learning model using PyTorch and GANs to transform real-world images into anime characters.
- Implemented AnimeGANv2 architecture to preserve facial features while applying artistic textures.
- Optimized inference speed on Google Colab (T4 GPU), reducing processing time by 90%.
- Code: [GitHub Repository](#)

AI-Based Image Upscaler (Image Processing)

- Implemented **Real-ESRGAN** algorithms to enhance low-resolution images into high-quality outputs.
- Focused on restoring details in blurred images for better visual analysis using Deep Learning techniques.

AI Lip-Sync Generator (Generative AI)

- Developed an AI tool to animate static characters using voice input.
- Synchronized lip movements with audio files to create realistic talking avatars.

TECHNICAL SKILLS

- **Languages:** Python, C++, SQL, JavaScript.
- **AI & Libraries:** OpenCV, TensorFlow, NumPy, Pandas.
- **Tools:** VS Code, Git & GitHub, Google Colab, Android Studio.
- **Web Basics:** HTML, CSS, React.js (Basic Knowledge).

LANGUAGES

- **English:** Proficient (Reading, Writing, Speaking)
- **Urdu:** Native

