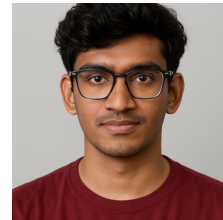# AMEYA GAWANDE

Pune, India • +91 9890639973 • ameya993@gmail.com

PROFILE

Proficient in data analysis with expertise in neural networks and machine learning. Skilled in data pipelining, acquisition, cleaning, and analysis. Experienced in developing algorithms for image processing, denoising, and object detection, with a strong focus on solving complex problems through iterative processes

PREVIOUS INTERNSHIPS

AT TECH MAHINDRA MAKERS LAB

AI/ML Intern : Jul-2024 to Dec 2024

Contributed to the development of the Indus Large Language Model (LLM), an open-source multilingual AI initiative. Responsibilities included end-to-end data acquisition, preparation, and processing workflows to support large-scale model training. Developed an AI-based Language Coach designed to deliver real-time, personalized feedback for language improvement, leveraging advanced NLP, speech recognition, and grammar correction techniques. Gained practical experience in utilizing Hugging Face Transformers, GPT architectures, and open-source frameworks for fine-tuning and deploying language models in production environments.

SKILLS

- **Technical Skills:**
  Python, Machine Learning, Neural Network, Deep Learning, Object Oriented Programming, C, Java, R Programming, Data Science, Microsoft Power BI, Hugging Face Transformers, GPT-based Models
- **Languages:** English, Hindi, German, Marathi
- **Certifications:** Google Data Analytics (MD4240),Mastering Microsoft Power BI, Essentials in Generative AI

PROJECTS

- Scene Perception for Automotive Vehicles: Developed a real-time driver assistance system to enhance safety by reducing human error through the fusion of multiple neural networks for dynamic scene analysis.

- Image Denoising using Multi-level Wavelet CNN: Designed a deep learning model combining convolutional neural networks with wavelet transforms to eliminate image artifacts and restore high-quality visuals from noisy inputs.

- Drone Detection using HOG-SIFT Fusion: Implemented a hybrid detection pipeline using Histogram of Oriented Gradients and Scale-Invariant Feature Transform, coupled with machine learning classifiers, to detect FPV and autonomous drones in mid-air.

EDUCATION

B.Tech In Electronics & Telecommunications   **July 2022 - May 2025**

Vishwakarma Institute of Technology : CGPA 8.06

Diploma In Mechanical Engineering   **June 2019 - May 2022**

Cusrow Wadia Institute of Technology : 89.24%