

# Amogh B Achar

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## SUMMARY

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I'm a proficient in Python, HTML, CSS . I'm deepening my knowledge in AI and ML, focusing on deep learning and LLMs. My passion for continuous learning makes me a strong candidate for innovative projects.

## PROJECTS

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### Feedback Mechanism for Public-Speaking using Audio and Video Analysis

- Designed a public-speaking feedback system using audio and video analysis to evaluate body language, voice modulation, and content delivery.
- Utilized VGG16 for video analysis, Librosa for audio features, and LLMs for generating personalized feedback.
- Tools Used: Python, VGG16, OpenCV, Librosa, TensorFlow/Keras, Hugging Face Transformers, LLMs, Streamlit

### Image classification for medical diagnosis : Dermatology

- Developed a medical image classification system for dermatology to identify and classify skin conditions(Acne , Eczema).
- VGG16 deep learning CNN architecture for feature extraction and classification of dermatological images.
- Tools Used: Python, TensorFlow, Keras

### Smart Attendance System using Face Recognition

- Developed a web-based application using HTML, CSS, JavaScript, integrated with MongoDB for secure and scalable student data storage.
- Integrated FaceNet, a state-of-the-art deep learning algorithm, to accurately recognize and verify student identities in real time.
- Tools and techs: FaceNet, Python, OpenCV, MongoDB, HTML, CSS, JavaScript

## INTERNSHIP

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### Intern Bachelors Software Eng @ FreshMind Technologies Pvt Ltd

Oct 2024 - Jan 2025

- Implemented NeuMF for collaborative filtering and vector search for semantic matching to enhance recommendation accuracy.
- Utilized Retrieval-Augmented Generation (RAG) for query answering, enabling dynamic and context-aware responses.
- Tech stack : Nextjs, RESTapi, Dynamodb, ChromaDB, Python

## SKILLS

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**Languages:** Python(intermediate), C (basic - intermediate), Java (basic)

**Frontend:** HTML, CSS , JavaScript (Basic), React.js (basic)

**Backend/Storage:** Flask, RESTapi, SQL

**Tools:** Figma, Whimsical, Canva, Tinkercad, Postman, GitHub, Microsoft Office

**Soft Skills :** Problem Solving, Communication Skills, Adaptability, Curiosity in Learning

## CONFERENCE PRESENTATION

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**Authors:** Amogh B Achar, Namratha N B, Kalpa Makam.

**Title :**“Deep Learning Driven Public Speaking Feedback: Comprehensive Analysis of Speech and Body Language.”

**Conference :**International Conference on Recent Innovations in Engineering Science and Technology (ICRIET-2025), May 2025.

## EDUCATION

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**Global Academy of Technology, Bangalore**

2021 – Present

Bachelor of Engineering in Artificial Intelligence and Machine learning , CGPA : 9.28