Lakshmi Narayana Reddy B

College ID: R200387
Electronics, Communication and Machine Learning
Bachelor of Technology
Rajiv Gandhi University of Knowledge Technologies

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GitHub Profile
LinkedIn Profile

Aspiring AI Engineer with hands-on experience in real-time speaker diarization, speech processing, and deep learning. Proven ability to apply deep learning to real-world audio tasks.

Education

•Rajiv Gandhi University of Knowledge Technologies, RK Valley *2026*
Bachelor of Technology: Electronics and Communication | Minor: Machine Learning CGPA: 8.14

•Rajiv Gandhi University of Knowledge Technologies, RK Valley *2022*
Pre-University Course | Math's, Physics, Chemistry and IT CGPA: 9.27

•ZP High School *2020*
Board of Secondary Education, AP CGPA: 10

Experience

•Meeami Techhnologies *Aug 2024 - present*
Intern Remote
– Worked on real-time Speaker Diarization with adjustable latency.
– Reduced the absolute diarization error rate by 5% compared to diart framework
– Conducted comparative evaluation of state-of-the-art diarization systems
– Collaborated in team meetings and worked closely with a university professor on system improvements

Personal Projects

–Image Captioning *present*
Caption an input image; Leveraged Encoder-Decoder architecture to predict the suitable text for the image.
∗ Technologies & Tools: Pytorch, Transformers, HuggingFace etc.,

–Offline Speaker Diarization *present*
Built a robust diarization pipeline for identifying speaker segments in pre-recorded audio.
∗ Integrated SSL models like WavLM and wav2vec 2.0, evaluated performance using DER, and applied feature fusion for higher accuracy
∗ Technologies & Tools: Deep Learning algorithms, Feature extractors, Python, Signal Processing, Pytorch

–Image Classification *March 2024*
Binaray classification of images; Leveraged logistic regression to classify two species of butterflies.
∗ Technologies & Tools: Python, Numpy, Classification algorithms

Technical Skills and Interests

Languages Python, C
Developer Tools VS Code, Anaconda, GIT, GitHub, Docker
Frameworks Numpy, Pytorch
Cloud Services AWS - Basics
Soft Skills Teamwork, Fluent in English
Others Bash script - Basic, Google docs
Domain Deep Learning, Language Models, Machine Learning, Speech & Audio Processing

Positions of Responsibility

–Member, Academic Affairs Club - ECE dept. RGUKT *March - July 2024*
–Member, Speech & Multimedia Signal Processing Lab - Headed by Prof. SK Rafi *July 2024 - present*

Certifications & Achievements

–Interspeech 2025 Submitted a research paper on Enhancing Speaker Diarization using SSL and Fusion
–Coursera Certification Machine Learning Specialization by Andrew Ng, Stanford
–NPTEL Certifications
1. Computer Architecture by Prof. S. Sarangi, IIT Delhi 2. Deep Learning by Prof. M. Khapra, IIT Madras 3. Introduction to Large Language Models, Prof. C. Tanmay, IIT Delhi present