

Contact

shreyashri025@gmail.com

www.linkedin.com/in/shreya-karkun-345551220 (LinkedIn)

Top Skills

MATLAB

Python (Programming Language)

Research

Publications

A real-time MRI study on asymmetry in velum dynamics during VCV production with nasal sounds

Shreya Karkun

Research Associate | IISc | SPIRE Lab
Bangalore Urban, Karnataka, India

Summary

Project Associate at SPIRE LAB, IISc with 2+ years in speech production research
Represented India as author at Interspeech 2025 (Netherlands) — paper nominated for the Best Student Paper Award.
M.Tech Electronics, BMS College of Engineering | Aspiring PhD candidate

Working in innovating within speech science & medical imaging domains

Open to collaborations with researchers, clinicians, and innovators
Enthusiastic about learning, exploring new ideas, and building meaningful connections

Currently working on medical imaging & electromagnetic articulography (EMA)

Let's connect if you are passionate about speech technology, medical imaging, or academic research opportunities or in general research! Would be happy to collaborate on a research problem statement.

Outside work, an avid reader committed to continuous growth and knowledge.

Feel free to reach out!

Experience

Indian Institute of Science (IISc)

Project Associate

November 2023 - Present (1 year 11 months)

Bengaluru, Karnataka, India

I am passionate about exploring the dynamics of speech production through advanced articulatory techniques like real-time MRI (rtMRI) and

Electromagnetic Articulography (EMA). My work focuses on co-articulation, tongue shape variability, articulatory symmetry, and velum dynamics, contributing to a deeper understanding of spatial-temporal coordination in speech.

Currently working as a Project Associate at SPIRE Lab, IISc, I have hands-on experience with acoustic and articulatory data analysis, using tools like MATLAB and Python. I am always eager to learn, collaborate, and contribute to the growing speech processing and articulatory phonetics field.

Education

B. M. S. College of Engineering

Master of Technology - MTech, Electronics · (February 2023 - October 2024)

Basaveshwar Engineering College (A), Bagalkote

Bachelor of Engineering - BE, Electronics and Instrumentation

Engineering · (August 2018 - September 2022)