

ADITYA UDUPA AIRODY SHIVARAMAIAH

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PROJECTS

Master's Thesis: Speaker re-identification and diarization of overlapping speech with spatially supported speaker embeddings

📅 Mar '22 – Mar '23 📍 Paderborn, Deutschland

- Developed and evaluated machine learning and deep learning models.
- Mining and analysis of real-world data.
- Implementation of data augmentation using signal processing.
- Insightful visualization describing the outcome.

Python Pycharm PyTorch Jupyter Git Data analysis

EDUCATION

MSc in Electrical Systems Engineering

University of Paderborn

📅 Sep '18 – present 📍 Paderborn, Deutschland

- Courses: Digital Speech Signal Processing, Statistical Signal Processing, Statistical Machine Learning

Bachelor of Engineering in Electronics & Communication Engineering

University Visvesvaraya College of Engineering

📅 Sept '11 – Jul '15 📍 Bengaluru, India

- Courses: Digital Signal Processing, Linear Algebra, Statistical Signal Processing, Microcontroller & Embedded Systems

WORK EXPERIENCE

Project Assistant

Indian Institute of Science

📅 Oct '17 – Jul '18 📍 Bengaluru, India

- Developed speech-to-text solution for Air Traffic Control (ATC) conversations using NLP.
- Expanded speech recognition language models.
- Implemented de-noising algorithms.
- Created an Android app using CMU pocket sphinx.

C++ NLP Android studio Data analysis

Data analyst

Accenture

📅 Aug '15 – Aug '17 📍 Bengaluru, India

- Worked as ETL (Extract, Transfer & Load) developer.
- Performed a well-documented thorough peer review.
- Created illustrative reports using BI tools.

Data analysis Teradata SQL BI Agile

SKILLS

Programming

Python



SQL



C/C++



Java



Machine Learning

PyTorch



TensorFlow



Software & Tools

Data handling/analysis



(e.g. NumPy, SciPy, scikit-learn)

Jupyter



Visualisation



(e.g. matplotlib, seaborn)

Linux



Git



Visual Studio Code



Docker



Agile



Languages

English



German



Soft skills

- Quick learning/grasping ability
- Problem-solving
- Adaptability
- Communication
- Teamwork
- Empathetic

ACHIEVEMENTS

- Best quarterly performer in the project at Accenture.
- Ranked first in the school on state board exams.
- Top player among the Paderborn regional badminton clubs in a hobby league.
- Proficient Hindustani Classical Vocalist on All India Radio.

CERTIFICATIONS

Data scientist: Machine learning
Codecademy Professional certification