

ANIRUDH THATIPELLI

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EDUCATION

Shiv Nadar University

BTech Computer Science *GPA: 7.8/10*

Dadri, Greater Noida

Grad: May 2019

EXPERIENCE

Machine Learning Summer Internship

Student

May 2017 — July 2017

- Learned various ML algorithms from Dr. V.K. Jayaraman, Visiting Professor in the Centre of Informatics
- My work involved reading papers, writing and implementing algorithms
- By August, I had implemented an algorithm from the paper on Mahalanobis distance oversampling.
- It helps in improving the performance of a classification algorithm on unbalanced datasets

Research Project

Audio Classification using Deep Learning

September 2017 — Present

- I am working on a project to perform audio classification using deep learning
- My aim is to implement an algorithm to classify industrial sounds like drilling,etc

SKILLS

C:: Intermediate . I have completed the online course CS50 and all the projects

Java:: Comfortable. I have contributed to few open source projects in Java like Password Hash Generator

Python:: Proficient. I have used Python libraries extensively in my research project.

PROJECTS

Audio classification using Deep Learning *Python, Tensorflow, Keras*

www.github.com/Audio-extraction

I will use deep learning algorithms to classify industrial sounds.

MDO-oversampling *Python*

www.github.com/MDO-oversampling

I implemented a ML algorithm MDO-oversampling based on a research paper by Dr Hashemi. This algorithm improves the accuracy of classification algorithms while running on imbalanced datasets.

AWARDS

Top 40 teams to be selected from over 7000 teams in India Hacks 2017

Nasscom, Noida

Along with my teammate, I created a light sensor to detect headlight from cars and automatically decrease the light to an optimum level

September 2017