

# ANIRUDH THATIPELLI

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## EDUCATION

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### Shiv Nadar University

BTech Computer Science *GPA: 7.8/10*

Dadri, Greater Noida

Grad: May 2019

## EXPERIENCE

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### 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

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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

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

[www.github.com/Audio-extraction](http://www.github.com/Audio-extraction)

I will use deep learning algorithms to classify industrial sounds.

### MDO-oversampling *Python*

[www.github.com/MDO-oversampling](http://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

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### 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