# SMITA



Self motivated student interested in Programming and Machine Learning

# INTERNSHIPS

## Natural Language Processing Intern
### SPI Global | May 2020-Present

- Researched state of the art Machine Learning Models for Extractive and Abstractive Text Summarization
- Implemented state of the art machine learning and deep learning algorithms as a general framework for summarization use cases for SPI Global

## Machine Learning Intern
### Ciphense | May 2020- Present

Designed and Implemented a machine learning application that uses computer vision, machine learning, microservices using Rest API.
- Implemented Face Recognition Engine which uses MTCNN for face detection and Facenet for face encodings.
-Integrated Image Quality Assessment and liveness detection in the Face Recognition Engine

## Research Intern
### IIT Gandhinagar | May - July 2019

- Developed a low latency smartphone-based application.
- It demonstrates the real-time operation to cancel the negative effects of acoustic feedback between speaker and microphone.
- Implemented using the Adaptive Filter and Frequency Shift method.

## Summer Intern
### IIT Kanpur | May - July 2018

- Simulated four different systems for obtaining the theoretical feasibility of spectrum license sharing among mm-Wave cellular systems.

# PROJECTS

## Smart home using Google Assistant
### Sensors - IIITDM | Mar 2019

- Automated home appliances control through mobile app and voice control using google assistant.
- Enabled notification of burglary, smoke and LPG gas detection in smartphones

## Robo Waiter
### Makerdemy | Mar 2019

-Designed an algorithm that works with a pyboard and UV sensor.
- Developed a working prototype(Coded in micropython).
-1st place in a competition by makerdemy

# ACADEMICS

## IIITDM Kancheepuram
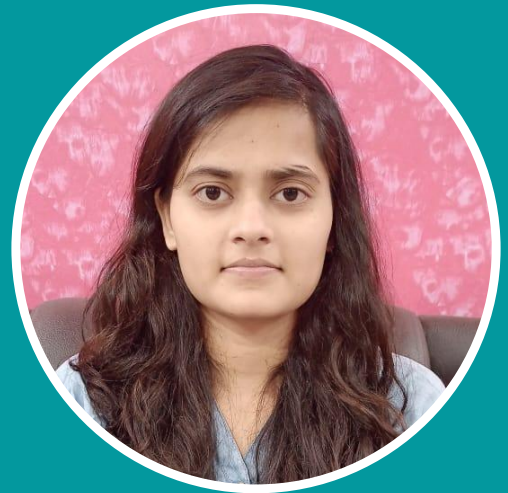### B.Tech in ECE | M.Tech in VLSI| 2016 - 2021(Dual Degree)

- CGPA of 8.80

## D.A.V Public School, Patna
### Senior Secondary(PCM),CBSE| 2013 - 2015

- Secured 90.6 %.
- Top 98.4 percentile in JEE main.
- Rank 11,000 in JEE Advanced.

## GET IN TOUCH!

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## SKILL SETS

**Programming Languages:**
Proficient: C++,Python,Matlab, Verilog
Intermediate: C

**Software:**
Anaconda,Cadence,matlab,Vivado, Questa sim

## RELEVANT COURSES

- Data Structures and Algorithms
- Machine Learning
- Practical Machine Learning using Tensorflow
- Data Science using python
- Digital Image processing
- Digital Logic Design
- VLSI System Design
- Digital System Testing and Testable Designs