

Education

BITS Pilani, Goa Campus
Integrated MSc. Mathematics

Goa, India
2017 | 2022

BITS Pilani, Goa Campus
B.E. Electronics and Communications, GPA: 7.5/10

Goa, India
2017 | 2022

Experience

National Textile Corporation Ltd. Mumbai, India *Summer Intern* May 2019 | July 2019

- Compiled datasets from the company's data and used it to forecast the company's prices, sales and production quantities.

Skills

Programming Languages Python, C, Java, C#

Platforms, Softwares and Libraries PyTorch, Numpy, Matplotlib, Unity3D

Courses CS231n (Stanford), Fast.ai, CS330 (Stanford) (Currently doing)

Projects

Implementation of MAML Self initiated project <https://github.com/infinitemugen/MAML-Pytorch>
Implementation of the experiments in the paper "Model-Agnostic Meta-Learning for Fast Adaptation of Deep Networks" in Pytorch.

Spoken Digit Classification Assignment https://github.com/infinitemugen/SAiDL-Summer-Assignment-2019/blob/master/free_spoken_digit.ipynb
Implementation of a convolutional neural network to classify audio files of spoken numbers.

Music Genre Classification Self initiated project
<https://github.com/infinitemugen/music-genre-classification>
An attempt at classifying audio files using mel spectrograms. Despite giving unsatisfactory results, the approach provides insight into the problem itself.

Character RNN Self initiated project <https://github.com/infinitemugen/ChaRNN>
A char level recurrent neural network using to generate a fixed number of characters based on the style of the text file it is trained on.

Vanilla GAN Self initiated project <https://github.com/infinitemugen/Vanilla-GAN>
A vanilla GAN trained on MNIST as a beginner project.

College Experience

Society for Artificial Intelligence and Deep Learning (SAIDL)

I am part of an (on campus) group of students dedicated to research and development of the AI and Deep Learning.