

# PRIYAVRAT MISRA

Brahmapur, Odisha

✉ [cse.pm@pm.me](mailto:cse.pm@pm.me)

in [priyavrat-misra](#)

🌐 [priyavrat-misra](#)

## EDUCATION

Parala Maharaja Engineering College

Bachelor of Technology - **CGPA - 8.64**

2017 – 2021

Brahmapur, India

### Relevant Coursework:

- Programming & Data Structures
- Design & Analysis of Algorithms
- Operating Systems
- Computer Organization & Architecture
- Database Management Systems
- Theory of Computation
- Compiler Design
- Computer Networks

## PROJECTS

### Classification & Gradient-based Localization of Chest Radiographs 🔗

Apr 2021

- uses numerous concepts from Deep Learning to diagnose COVID-19 & other inflammatory lung diseases from frontal-view digital Chest X-Rays.

### Sci-fi Lorem 🔗

Jan 2021

- employs character-level language models (char-RNNs) to train an AI tool which can generate random and somewhat meaningful sci-fi word sequences.

### Image Colorization 🔗

Dec 2020

- uses Deep Residual Networks trained on Places365 dataset, to colorize black & white images.

### Other projects:

Nov 2020

- **Handwritten Digit Classification** 🔗: evaluates & benchmarks various types of Neural Networks on image data, using MNIST handwritten digits dataset as an example.
- **Neural Style Transfer** 🔗: uses CNN's feature extraction abilities to transfer style of an image to another.
- **Autoencoder for Image Compression** 🔗: reduces image size by up to 75% after compression, & achieves a near-lossless image quality after decompression.
- **Denoising Autoencoder** 🔗: constructs higher level representations of noisy images by identifying & utilizing useful features in them.

## INTERNSHIP

### Indian Institute of Science Education and Research (IISER)

Feb - Mar 2020

Intern 🔗

Brahmapur, India

- simulated *www.iiserbpr.ac.in* using Java, HTML, CSS, MySQL & Apache Tomcat, and gained an fundamental understanding of how websites work in general.
- assisted in developing the Human Resources module for their Enterprise Resource Planning system

## TECHNICAL SKILLS

**Languages:** C/C++, Python, SQL, Java, HTML, CSS, MIPS Assembly

**Developer Tools:** Vim, GNU Compiler Collection (GCC), Windows Terminal, Windows Subsystem for Linux

**Technologies/Libraries:** Linux, Git, PyTorch, NumPy, Matplotlib, pandas

## CERTIFICATIONS

- Deep Learning Nanodegree, *Udacity* 🔗
- Deep Learning Specialization, *Coursera* 🔗
- Machine Learning, *Coursera* 🔗
- Python Programmer Track, *DataCamp* 🔗
- AWS Fundamentals, *Coursera* 🔗

## EXTRACURRICULAR

- Received an Udacity Deep Learning Nanodegree scholarship for excellence among 15,000 participants. (2020)
- Secured Gold in a Quiz contest organized by Inspire Science Camp, Department of Science & Technology, Government of India. (2016)
- Won Silver Medal in National Science Olympiad 2014-15, School-level.
- Won Gold Medal in National Science Olympiad 2013-14, School-level & City-level.