Priyavrat Misra

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in [LinkedIn](#) ○ [GitHub](#)

EDUCATION

Parala Maharaja Engineering College	**2017 – 2021**
Bachelor of Technology in Computer Science & Engineering; GPA: 8.64	*Brahmapur, India*
Kendriya Vidyalaya	**2005 – 2017**
Matriculation & Senior School	*Brahmapur, India*

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**
- uses a character-level language model (char-RNN) to train an AI 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**
- **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.

EXPERIENCE

Indian Institute of Science Education and Research (IISER) **Feb - Mar 2020**
[Intern](#) ⧉ *Brahmapur, India*
- made various User Interface improvements to *https://www.iiserbpr.ac.in/*
- assisted in developing a dynamic search box feature which showed suggestions based on input keystrokes

TECHNICAL SKILLS

Languages: C, C++, Python, SQL, HTML, CSS, Markdown
Libraries: Standard Template Library (C++), PyTorch, NumPy, Matplotlib, pandas
Developer Tools: Linux, Vim, GNU Debugger (gdb), Valgrind, Git, Windows Terminal
Technologies: Object Oriented Programming, API interaction, Version Control, Debugging, Web Development

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.