

# Chhavi Yadav

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## EDUCATION

PhD, Computer Science	UCSD Sep 2020
MS, Computer Science (3.87/4.0) <i>Teaching Assistant, Deep Learning for Medicine</i>	New York University May 2019
BE, Electronics & Telecommunications Engineering (3.89/4.0) <i>Ranked 1<sup>st</sup> in the department and 4<sup>th</sup> in the University</i>	University of Pune June 2016

## PUBLICATIONS

- Yadav C., Bottou L., [Cold Case : The Lost MNIST Digits](#) (Also my thesis)**
- Accepted at NeurIPS 2019 (Spotlight), can be found on arxiv [here](#) . Find the code & reconstructed dataset [here](#) . Thesis can be found [here](#) .
- Liu S., Yadav C. et. al. On the design of convolutional neural networks for automatic detection of Alzheimer's disease**
- Accepted at Machine Learning for Health : Workshop at NeurIPS 2019

## PROFESSIONAL EXPERIENCE

- Data Scientist (Deep Learning), Walmart Labs Bay Area CA, 2019
- Working on Object Detection.
- Content Developer Intern - DL, Udacity Bay Area CA, 2018
- Led content development for the Multi-Agent Reinforcement Learning module of Udacity's Deep Reinforcement Learning Nanodegree.
  - Also coded a project in Python on MADDPG using OpenAI multi agent particle environment.
- Graduate Engineer Trainee , Mercedes Benz Research & Development India, 2016 - 17
- Undergone 3 months of training on Advanced Driver Assistance Systems & Model Based Development.
  - Modeled air suspension system in cars and analyzed test results from the HiL setup using MATLAB.
  - Worked on a patent idea on V2X communication.

## MACHINE LEARNING (2017-Present)

- Attended Deep Learning Reinforcement Learning Summer School 2018 in Toronto  
*Organized by : CIFAR & Vector Institute*
- Amongst the 250 candidates selected out of 1200 candidates who applied to the summer school (with scholarship). Studied a plethora of topics on DL and RL.
- Data Augmentation for Visual Question Answering
- Used various text data augmentation methods instead of images augmentation to improve accuracy of VQA models. Course project for Natural Language Processing. Find paper & code [here](#) .

## VOLUNTARY WORK

- Taught Arduino programming to students from underprivileged schools & held yearly exhibits of their projects 2012-16
- Reviewer for Machine Learning for Health Workshop at Neurips 2019

## TECHNICAL SKILLS

*Programming Languages:* Python , C, C++, JAVA, MATLAB, Simulink  
*Technologies:* PyTorch, Keras, Scikit-Learn, Tensorflow, CUDA  
*Operating Systems:* Linux, Windows, Mac OS X  
*Databases:* MySQL