ANIKET DIDOLKAR

@ adidolkar123@gmail.com ☎ +918411814791 ⚲ Pune, India
in https://linkedin.com/in/aniket-didolkar-7a9b8912a ⚲ www.aniketdidolkar.in ⌨ https://github.com/dido1998/

EXPERIENCE

Research Intern
Midas Lab, IIIT Delhi

📅 April 2019 – Present ⚲ Remote

- Working under the guidance of Dr. Rajiv Ratn Shah.
- Working on Social Media Analysis and Natural Language Processing. Paper accepted at ACL-SRW 2019.

Google Summer of Code
NumFocus

📅 May 2019 – August 2019 ⚲ Remote

- Working for Chainer which comes under the NumFocus umbrella.
- Building recurrent neural network support for ChainerX. ChainerX is a deep learning library built completely using C++.
- Implemented the CPU and GPU versions of LSTM, GRU, Vanilla RNN etc. The GPU versions were built using the CUDNN library provided by NVIDIA.

Automation Intern
Ubisoft India Studios

📅 May 2019 – July 2019 ⚲ Pune, India

- Worked on solving UI-related bugs such as collision bugs and pass-through bugs.
- Used deep learning approaches for semantic segmentation and depth estimation on the given frames from the game.
- The output of the final solution was a collision probability for each pixel in the frame. This algorithm was able to identify buggy frames with 85% accuracy.

Undergraduate Researcher
Project Manas

📅 Feb 2018 – Feb 2019 ⚲ Manipal, India

- Implemented, compared and analyzed the performance of various reinforcement learning algorithms (DQN, PPO, ACER, A3C) on environments provided by OpenAI gym.
- Mentored 3 juniors for the task of designing an imitation learning algorithm for the udacity self-driving car simulator.

Data Science Intern
Rammer.ai

📅 June 2018 – July 2018 ⚲ Pune, India

- Wrote scripts to automate tasks related to training and testing deep learning models.
- Implemented various deep learning architectures using tensorflow for the task of action-items detection in meeting transcripts.

PUBLICATIONS

- ARHNet - Leveraging Community Interaction For Detection Of Religious Hate Speech In Arabic.
  Aniket Didolkar, Arijit Ghosh Chowdhury, Ramit Sawhney, and Rajiv Ratn Shah **ACL-SRW 2019**
- Beyond Hostile Linguistic Cues: The Gravity of Online Milieu for Hate Speech Detection in Arabic.
  Aniket Didolkar, Arijit Ghosh Chowdhury, Ramit Sawhney, and Rajiv Ratn Shah **ACM-HyperText 2019**
- Re-h-detach: Modifying the LSTM gradient towards better optimization.
  Aniket Didolkar ReScience C 5, 2, 4. (Paper accepted as a part of the **ICLR Reproducibility Challenge 2019**)

EDUCATION

Bachelor of Technology (Computer Science and Engineering)
Manipal Institute of Technology

📅 2020 ⚲ Manipal

- 9.22 CGPA

SKILLS

- Python, C/C++, JAVA, Matlab, LaTeX
- Pytorch, Tensorflow, Linux, CUDA, ChainerX, Numpy, CUDNN

SELECTED PROJECTS

Pruning Neural Networks
https://github.com/dido1998/pruning
📅 Dec 2018-Jan 2018

- Performed weight pruning and unit pruning on a simple fully-connected neural network. Showed that up to 90% of the weights can be pruned without a considerable drop in accuracy and utilized this to speed up inference by upto 30%.

DeepJava
https://github.com/dido1998/DeepJava
📅 Sep 2018

- Deep learning operations in Java developed from scratch. It correctly handles gradient flow using the backpropagation algorithm for various operations defined in a computation graph (eg: convolutional layers, fully connected layers etc.).