

Mohd Khizir Siddiqui

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Education

B.E. (Hons.) Electronics and Instrumentation Engineering, 2018–2022
Birla Institute of Technology and Sciences, Pilani,
Goa, India, CGPA: 8.16 / 10.0.

Experience

- KD Lib, *OpenSource*.** May'20 – Present
- Implementation of various Knowledge Distillation Methods.
 - Code available on github - [here](#)
- Car Speed Detection, *pytorch*.** May'20' - Jun'20
- Detect per frame speed of the car from dashcam view
 - Fine-tuned VGG19 to compensate for smaller dataset
- Neural Style Transfer, *pytorch*.** May'20 - Jun'20
- Art Generation by Transfer Learning on VGG-19.
 - Use of Gram Matrix for Cost measure.
 - Code available on github - [here](#)
- Image Super Resolution, *keras*.** Apr'20 - May'20'
- Increase resolution of the low-res images.
 - Uses Autoencoders.
- Sleep Sort, *pytorch*.** Sept'19 – Dec'19
- Sleep Stage Scoring from raw single channel eeg data.
 - Uses 2 Convolutions Nets in parallel to embed the spatial and temporal features.
 - Addressed various medical problems associated with change in eeg data.
 - Course Project Part of BITS F315 Intro to Cognitive Neuroscience.

OpenSource Contribution

MLPack: C++ Library for Machine Learning: [Link](#) - Opened and merged several PRs since December 2019

Technical skills

Languages: Python, C++, C, SQL, JS, Bash, MATLAB

Frameworks: sklearn, Tensorflow, Pytorch, Keras, Flask, Django, ReactJS

Other: AutoCAD, git

OS: Ubuntu (Primary), Windows

Courses

- Intro To Cognitive Neuroscience (BITS F315)
- Machine Learning (Stanford, AndrewNg - Online)
- CS231n Convolutional Neural Networks for Visual Recognition (Stanford - Online)
- Deep Learning Specialization (5 Courses) (Coursera, deeplearning.ai)

Miscellaneous

Volunteering: Abhigyaan - Teaching underprivildged people since 1st semester.

Hobbies: Badminton, Swimming, Chess, Poetry

Languages: English, Hindi, Urdu