

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

Emotion Detection using ML and Graph Network Analysis. Oct'19 – Present

- Under Prof JK Sahoo in collaboration with Cognitive Neuroscience Lab (BITS Pilani, Goa).
- Identify the emotional response of different regions of brain using small number of parameters.
- Uses graph theory and network analysis with Machine Learning.

KD Lib, *OpenSource*. May'20 – Present

- Implementation of various Knowledge Distillation Methods.
- Code available on github - [here](#)

MLPack - C++ Library for Machine Learning, *OpenSource*. Oct'19 – Present

- Commandline interface for binary tree normalization.
- Callbacks support of ealystopping in RBM.
- Silhouette Score for analysis of clustering algorithms.
- Code available on github - [here](#)

Image Super Resolution, *keras*. May 2020

- Increase resolution of the low-res images.
- Uses Autoencoders.

LyricMe, *pytorch*. Oct 2019

- Character level-RNN to write lyrics based on single word input.
- Code available on github - [here](#)

Student Welfare Division, BITS Goa Website, *django*. Feb 2019 – Present

- Replaced the entire existing website with better interface and functionalities.
- Code available on github - [here](#)

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