Talibul Haque Khan

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**Education- : BSC (Hons) Computer Application – Aligarh Muslim University(AMU)**

**Skills**

**Languages:** C++, Java, Python, Javascript

**Technologies & Tools:** HTML,CSS ,Javascript ,React, Numpy ,Pandas, Tensorflow, Matplotlib

**Projects**

# CIFAR-10 Dataset Object Classification

* Split 60,000 images into training set and test set training set – 50,000 images and test set – 10,000 images
* Applied Convolution 2D layer and Maxpooling on it
* Achieved 90.12% Training Accuracy
* Achieved 75.59% Test Accuracy
* Applied Data Augmentation on the images like – changing brightness and changing orientation and Again trained the model

1. ***Traffic Sign Classification (German traffic Sign Recognition Benchmark)***

* Split 51,839 images into training set, validation set, test set
* Training set – 34799 , Validation set – 4410 , Test set – 12630
* Applied Convolution 2D layer and Average Pooling on it
* Achieved 99.86% training Accuracy , 85.71% validation accuracy and 86.57% test Accuracy

1. ***Car Sales Prediction Using ANN***

* Split the dataset of 500 into training and test set
* Training set – 375 and Test set – 125 and Applied sequential layer into training set
* Applied Adam Optimizer and Mean squared Error Loss function

1. ***Facial Recognition Based Attendance System (****Ongoing****)***

**Publication**

* Automatic E-waste Identification and sorting with Deep Learning Techniques :A Comprehensive Review (Under Progress) – under the supervision of Dr. Mohammad Nadeem

**Licence and Certifications**

IEEE CIS Summer School CADLA (Computational Advancement in Deep Learning Application)

* 5 days short term course organised by IIIT-Allahabad on recent Advancement on Deep Learning Application

Machine Learning Specialization by Andrew Ng

* Supervised Machine Learning Regression and Classification
* Advanced Learning Algorithm
* Unsupervised Learning Recommender and Reinforcement Learning

Deep Learning Specialization by Andrew Ng (ongoing)

**Extracurricular**

Member of Google Developer Student Club Amu ,Member of Amu Robo Club