Akshat Agrawal

(+91) 9582218921 | (+91) 9599821894 | akshathash97@gmail.com

EDUCATION

B.TECH
G.L. BAJAJ INSITUTE OF TECHNOLOGY
Expected July 2019 | Gr. Noida, UP

SENIOR SECONDARY SCHOOL
BHARTI PUBLIC SCHOOL(CBSE)
March 2015 | New Delhi, IN
Percentage: 91.66

SECONDARY SCHOOL
BHARTI PUBLIC SCHOOL(CBSE)
March 2013 | New Delhi, IN
CGPA: 7.2/10

LINKS

Github:// **hashroot97**
LinkedIn:// **Akshat Agrawal**
HackerEarth:// **akshathash97**

TRAINING

DL SPECIALIZATION
Coursera.org (By Andrew Ng)
Neural Networks and Deep Learning
Improving Deep Neural Networks
Convolutional Neural Networks
Seqeunce Models

PERCEPTRON
Coding Blocks
Supervised & Unsupervised Learning
KNN, KMeans, SVM, DT, Regression
Ensemble Methods eg. Boosting
ANNs, CNNs, RNNs, LSTM, GRU

SKILLS

TECHNOLOGIES
Computer Vision • Natural Language
Processing • Android Development
Web Development
PROGRAMMING
C++ • Python • HTML5 • CSS3
MYSQL • PHP
TOOLS AND FRAMEWORKS
Tensorflow • Pytorch • Keras
Numpy • Scikit-learn • OpenCV
Scipy • Django • Git • Linux
Android Studio • Tkinter • Pygame

PROJECTS

AUTOMATIC TRAFFIC SIGNAL CONTROL | MARCH 2018
Convolutional neural networks to classify the amount of traffic in an image taken from the street signal. These classifications were then used to allot time for traffic signals. We used SSD pre-trained model and ran it on a raspberry pi.
Project Link:// **Github Repo**

NAME CLASSIFICATION USING RNNS | JANUARY 2018
Char Level RNN written in Pytorch to classify a name according to their place of Origin. For example - Names like Xin, Yang were classified as Chinese.
Project Link:// **Github Repo**

PIANO COMPOSITIONS USING STACKED LSTMS | JULY 2018
A Recurrent Neural Network (LSTM) written in keras and tensorflow for improvisations of piano compositions. It was a stacked LSTM trained on MIDI files. Pre-processing was done in python library,Music21.
Project Link:// **Github Repo**

PYBOT | JUNE 2017
A GUI Application designed for the Raspberry Pi 3 with attached touch screen for awesome application. It was written in Python using libraries like Tkinter, Pygame,etc. It included applications like Media Player, Alarms, etc.
Project Link:// **Github Repo**

ACHIEVEMENTS

TIME2HACK | Hackathon
1st Place | MARCH 2018
A hackathon organised by G.L. Bajaj Institute of Technology. Won it for the automatic traffic signal control project. We used convnets to make the classification on the basis of ammount of traffic and then allotted a time for the signals.

INTERNSHIP

COMPUTER VISION | Ativitti AI Technologies
JUNE-JULY 2018 | Greater Noida, UP
In this internship I completed tasks including Image Processing, Data Augmentation and Computer Vision using Deep Learning. I also learned skilles related to Project Management and essentials of Git to manage my projI applied these technologies in a project on Automatic Traffic Signal Control. We used pre trained SSD model.
ANDROID DEVELOPMENT | Xpert Infotech
MAY-JUNE 2016 | New Delhi, IN
Summer internship which taught me the skill of mobile app development. It included various projects in which I contributed and completed. I used PHP for the server side scripting. I also made use of a lot of Web APIs including Youtube API, Twitter API.

SOCIETIES

AI SATURDAYS | Ambassador
July 2018 - Present
An AI society that organizes meet ups every Saturday and have interactions on hot topics in Machine Learning and Deep Learning.