Saquib Nadeem Hashmi

github.com/Saqhas || linkedin.com/in/saquib-hashmi
saquibnadeemhashmi@gmail.com || (+91) 9818477056

COLLEGE: Jaypee Institute of Information Technology
COURSE: B.Tech
Year of Graduation: 2019

Objective:

I have an aim to improve the world with technology and innovation. An enormous power is hidden in the field of technology.
I am aiming to do all needed hard work to harness this energy and make it flow in right direction.

Great Scientist Albert Einstein has said: - "**In the middle of difficulty lies opportunity.**"
If we see every difficulty as a new golden opportunity then we will find that there is no better time to start then the current time and there is nothing as lost because an opportunity will always be waiting in the future.

I follow the same ideology and always keep on moving forward to reach my goal.

Experience/ Learnt:

Data Scientist intern at “CustomerSuccessBox” (April 2018 - July 2018, Gurugram).

- Reducing Customer churning through Trend Analysis.
- Building an AI module for the Company.
- Analysing the daily incoming data of customers of our clients, calculating deep insights about customer’s usage pattern and warning the clients if they are at risk of losing a customer

Skills:

- Data Structures and Algorithm
- C and C++
- Java
- Machine Learning
- Deep learning (TensorFlow and keras)
- Python
- Public Speaking
- Linux
- Amazon EC2 and ReKognition

- MySQL and MongoDB
- Image Processing and Computer Vision

Achievements and Certificates:

- 5 Model United nations.
- 22nd rank in Annual programming contest (Execute 2015) of the college (Team size 2)
- 10th rank in Annual programming contest (Execute 2016) of the college (Team size 3)
- 3 bronze medals on Hackerank and 84th percentile in Algorithm section
- Among top 30 percentile in Kaggle Digit Recognition Competition
- Machine Learning and deep learning Courses:
  - Machine Learning Stanford by Andrew Ng --> It consists of a basic introduction of machine learning, popular algorithms with programming assignments on each algorithm in octave (I have written them in python too) and practical tips to work on projects.
    - **Certificate link** --> coursera.org/verify/ZWAGM7G5MRSZ
  - Udemy Deep learning prerequisites --> It is a brief practice of popular python libraries for machine learning and deep learning.
    - **Certificate link** --> udemy.com/UC-C1ETCLXR
  - Neural Networks and Deep learning by Andrew Ng --> It is beginning course on deep learning in python with 4 programming assignments. It's the first course in deep learning specialization by Andrew Ng.
    - **Certificate link** --> coursera.org/verify/MTU2JSM259PD
  - Convolutional Neural Networks by Andrew Ng ---> It is beginning course of computer vision where professor Ng gave an overview of all the base ideas used in computer vision with 4 projects on making different computer vision models.
    - **Certificate link** --> coursera.org/verify/YJST3QZASZ6U
  - Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization ---> It is a course to give the glimpse of the internal mathematics of all the popular optimizers in deep learning and implementing them.
    - **Certificate link** --> coursera.org/VB3QX4EWNWHV
  - Sequence Models --> This course is a beginner course to working on problems involving data in the form of sequences.
    - **Certificate link** --> coursera.org/WP8DK744K8DP
  - Structuring Machine Learning Projects ---> This course teaches the basic steps to be followed to build a successful machine learning project. A direction is very important to successfully complete a project.
    - **Certificate link** ---> coursera.org/PTKDWSA9RGDB

Publications:

- **Robust Real Time Breaking of Image CAPTCHAs Using Inception v3 Model**
  Aug 5, 2018 International Conference on Contemporary Computing
- **A Lip Reading Model Using CNN With Batch Normalization**
  Aug 4, 2018 International Conference on Contemporary Computing
- **Real Time License Plate Recognition from Video Streams using Deep Learning**
  Jul 7, 2018 International Journal of Information Retrieval Research

Positions and Responsibilities:

- Volunteer in **It's Our Earth** NGO of College.
- Volunteer in **International Conference on Peaceful and Prosperous South Asia Opportunities and Challenges 2017 event in JIIT**.
- Volunteer in Conference on **Recent Advances in Mathematical Sciences and its Applications 2018.**

Projects:

- **Shooting Game** in C and C++
- **Shortest path recommender** between two locations, when a map of all the locations are given to the program in C++ using Binary heaps, Arrays, Linked lists, Sets, Classes and Dijkstra algorithm.
  - **Project Link -->**https://github.com/Saqhas/Algo_projects
- A **Quora website** as a mini-project that include features of like, sign in, sign out, image and video upload and crawled news from times of India. Worked mostly on JavaScript, php, Bootstrap and web crawler.
- **Automated License plate recognition**: - A python mini project that takes as input a video of cars entering in a car parking and stores the cropped image of the license plate together with the license number on the plate into a MongoDB database. It uses image processing along with convolutional neural networks to perform different operations on the image.
  - **Project Link -->** https://github.com/Deevoluation/ALPR
- **Java Based OS module: -** It was a GUI based one screen replica of a desktop of a Linux os with functionality as shutdown, restart, hibernate, Microsoft word, excel, notepad and PowerPoint. It was made using java swing.
- **Automobile detection in python: -** A basic python-based project that takes as input a video and as output returns a video labelled on each instance that is there a car present in that particular frame. It was trained using VGG-16 Architecture.

- **Project Link -->** https://github.com/Deevoluation/Automobile-Detection

- **Multi-Vehicular Routing: -** It was a python-based program that shows on a graph a scenario where 2 cars have to travel a user defined number of cities in minimum time. It used the KNN algorithm to find the nearest city to go similar to Network routing algorithms.
- **Visual Password system: -** A python-based application that used OpenCV to first learn a person's face by real time scanning it for 30 seconds. Then it stores the faces in encrypted form and uses it as a password. We tried to design locking method similar to face recognition unlocking in smartphones.
  - **Project Link -->**https://github.com/Deevoluation/Face-Recognition
- **Cat and Dog recognizer: -** A python-based application made using keras to differentiate between images of cat and dogs.
- **Neural Style Transfer: -** Implemented the concept of merging an image with a painting image to bring the source image in the style of the painting. It was made using python and TensorFlow.

Hobbies:

- Reading History Books and Adventure Novels
- Watching Anime

Additional Information:

- Working on self-assigned projects on solving real world problems with deep learning and machine learning in python
- Learning Hadoop and Big Data
- Learnt **German** in 5th semester