House No 153 Street No 3
Sadaat Colony Khanpur Dist. RYK

M. HASHIM SHAFIQ

http://hashimshafiq.azurewebsites.net/
http://linkedin.com/in/hashimshafiq/

(+92) 320-6717208
hashimshafiq0@gmail.com

EMPLOYMENT

Software Engineer **GleeTech Pvt. Ltd.** **Summer 2016 – Spring 2017**

- Helping a Startup in improving HR process using Machine Learning.

Intern **ADIA Tech** **Summer 2016 – Spring 2017**

- Drones Startup Stanford AI lab based
- Designing Neural Network for the Drones

EDUCATION

Islamabad, Pakistan **COMSATS Institute of I.T.** **Spring 2014 – Spring 2018**

- BS in Computer Science, CGPA: 3.12
- Undergraduate Coursework: Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Calculus 1&2, Computer Vision, Artificial Intelligence, Computer Graphics, Software Engineering.
- **MOOC** Courses: Machine Learning (Stanford), Data Science and Machine Learning with Python (Udemy), From 0 to 1 Machine Learning, NLP and Python (Udemy), Deep Learning (Stanford)

TECHNICAL EXPERIENCE

Projects

- **Twitter Sentiment Analysis** (2016). Twitter Sentiment analysis is a web based sentiment analyzer that took the username of the twitter user and get first 100 tweets by that user and perform sentiment analysis in it and show the result in pie charts. Application is developed in NodeJS and is hosted on herokuapp website.
- **OCR using KNN Algorithm** (2016). This project contains two modules a Trainer and Tester. Trainer trains the training data and then we can use these training data to extract characters from Images. EmguCV, VB.NET
- **Red Ball Tracker** (2016). In this project we can keep tracking a red ball in a video that is currently captured by the webcam. EmguCV, VB.NET
- **Computer Vision** (2016). This project contains 3 Modules. 1 Android App, 2 Desktop apps. From android app we can live send array bytes to 1 desktop app that will create the video from this and then from the mid line send the pixels to the 2nd desktop app that will filter out the green pixel and display the graph of green color intensity. Java, OpenCV
- **Text Search Engine** (2015). This app reads a current directory for all the text files and stores the word in the AVL Tree and we can search a specific word with great speed. Java
- **Spell Checker** (2015). 1st it reads a text file containing all the words, store it in Trie Data Structure and then we can check the spelling. If we misspelled a word it automatically corrects it. Java
- **Convoy Security Using Autonomous Quadcopters(2017-continue).** In my FYP I am making Parrot Bebop Drone total autonomous by using Computer Vision and Deep Learning techniques. Android

ADDITIONAL EXPERIENCE AND AWARDS

- 1st Prize, Programming Competition (2016): Winner of the CODE HUNT at IEEE GIKI.
- 2nd Position in Bahawalpur in ICS (Math/Physiscs/Computer)

Languages, Technologies and Libraries

- **Languages:** C; Java; C#.NET; VB.NET; Python; Octave; Assembly
- **Tools/Editors:** Visual Studio; NetBeans; Eclipse; Octave-GUI; Enthought Canopy; PyCharm; Matlab
- **Libraries/Framework:** OpenCV; Tensorflow; Sk-learn; Numpy; dotpy2; scipy; Matplotlib; GraphLab; Pandas
- **Platform:** Linux, Android, Windows, Windows Phone