Muhammad **Ilyas**

SOFTWARE ENGINEER · MACHINE LEARNING ENTHUSIAST · BLOGGER

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Objective: Looking for a Software Engineer position with a company where my skills can be used in designing, developing, securing, and optimizing applications and their performance.

Education

DHA Suffa University   *Karachi, Pakistan*

B.S. IN COMPUTER SCIENCE, GRADUATION DATE: 2018, CGPA= 3.3   *Sep. 2014 - PRESENT*

- **Coursework:** Data Science, Data Structures, Operating Systems, Algorithms, Computer Networking
- **Frameworks/Libraries Familiarity:** Spring, Laravel, Flask, Tensorflow, Numpy, Pandas and Scikit
- **Fluency:** Python, PHP   **Proficiency:** C   **Familiarity:** Java, C++, Javascript   **Source Control:** Git, SVN
- **Cloud Technologies:** AWS and Azure

Experience

Aciano Technologies   *Karachi, Pakistan*

SOFTWARE ENGINEER   *July. 2017 - Preset*

- Maintain the salable, efficient, automated processes for large scale data analyses, model development, model validation and model implementation.
- Creating automated social analysis systems and constant tracking of its performance.

Pakistanblogs.com   *Karachi, Pakistan*

FOUNDER   *Dec. 2012 - Present*

- Managed a team of 10+ writers and took the honor of making Pakistanblogs the voice of Pakistan.
- Overlooking the operations and managing PR with different big organizations of Pakistan including Daraz, Yayo.com more.

DSU Media Labs   *Karachi, Pakistan*

RESEARCH ASSISTANT   *July. 2015 - Dec. 2017*

- Trained a LSTM deep learning model on my social media conversation logs in order to classify its sentiments.
- Deployed the trained model to a server using the Flask framework and hosted using AWS and .
- Exploring the way to integrate R powerful statistical package into real time application
- Creating automated social analysis systems and constant tracking of its performance.

Attribe Solution   *Karachi, Pakistan*

SOFTWARE ENGINEER, INTERN   *Jan. 2016 - Feb. 2016*

- Exploring the way to integrate R powerful statistical package into real time application
- Creating automated social analysis systems and constant tracking of its performance.

Projects

InsideTrends - Be analytical   *InsideTrends*

WRITTEN IN PHP AND PYTHON

Built data pipelines and dashboards for future analysis on time spent
Deployed the application to a server using the Laravel framework and hosted using Linux server.

EmonX - Emotion Detection API   *Pakistan Regional Finals Results*
                                                                         Microsoft Imagine Cup 2017

WRITTEN IN PYTHON AND JAVA

EmonX is a framework for analyzing swipe behavior from smart phones and wearable using Machine learning.

Crime Prediction API *Github Source*

WRITTEN IN PYTHON

- Trained a machine learning model to output the crime probability of the particular city on hourly basis, given information about relevant statistics for the specific year.
- Wrote data prepossessing scripts, data visualization programs, and evaluated performance of different algorithms.
- Predicted the crime of past weeks with a best accuracy using SVM.

Social Searching App *Github Source*

WRITTEN IN JAVASCRIPT AND PYTHON

Wrote a social search application which is allow the user to search on different social networking site on single query.

Freelancing Projects

Student Performance Classification *Github Source*

USING PYTHON

Battlex'17 ACM DSU Event *battlex.dsu.edu.pk*

USING WORDPRESS *Jun. 2010 - PRESENT*

Spectrum'17 ACM DSU EVENT WEBSITE *spectrum.dsu.edu.pk*

USING WORDPRESS *Jun. 2010 - PRESENT*

ACM DSU Official Website *acm.dsu.edu.pk*

USING JAVASCRIPT/HTML/CSS *Jun. 2010 - PRESENT*

Extracurricular Activity

ACM DSU

Treasurer *Sep. 2016 - Sep. 2017*