Curriculum vitae

PERSONAL INFORMATION

Faizan E Mustafa

House No E-125, Near Govt. High School for Boys, 47330 Kahuta (Pakistan)

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Sex Male | Date of birth 06/09/1996 | Nationality Pakistani

EDUCATION AND TRAINING

Oct 2019–Present

MSc Computational Linguistics

University of Stuttgart (Germany)

Oct 2014–Jul 2018

Bachelor of Science in Electrical Engineering

University of Engineering and Technology, Taxila (Pakistan)

- Problem solving skills to solve complex problems
- Critical thinking

Subjects Included:

Probability, Linear Algebra, Calculus , Data Structure & Algorithms

Aug 2012–Aug 2014

Higher Secondary School Certificate(HSSC) Examination

KRL Model College for Boys, Kahuta (Pakistan)

Subjects : Pre-Engineering

Jul 2010–Jul 2012

Secondary School Certificate(SSC) Examination

Fauji Foundation Model School For Boys, Matore (Pakistan)

- Mathematics
- Physics
- Chemistry

ADDITIONAL INFORMATION

Skills

- Python
- Libraries(Numpy, Scikit learn , Pandas, Matplotlib)
- Deep learning Frameworks(Tensor flow, Keras)

Books

- Hands-On Machine Learning with Scikit-Learn and TensorFlow.
- Introduction to Statistical learning .
- Feature Engineering Made Easy.
- Make Your Own Neural Network by Tariq Rashid.
- Learn python the hard way by Zed Shaw.

Certifications

- Deeaplearning.ai Specialization (5 Courses)
- Data Analysis with python by IBM
- Data Visualization with Python by IBM

Courses

- Machine Learning by Andrew Ng.
- Udacity's Intro to Machine Learning
- Stanfords's CS 231n
- Linear Algebra by Gilbert Strang

Projects

- **Keras impementation of image captioning project.**

  Description: Image captioning is a task that involves computer vision as well as Natural language processing. It takes an image and is able to describe whats going on in the image in English. It uses InceptionV3 to extract features from images and LSTM to generate captions for images. This implementation uses Keras with Tensorflow back end.

- **Top 11 % in Kaggle competition "Titanic Machine Learning from Disaster"**

  Description: I created a model that was able to predict if a person will survive or not given a set of features. Exploratory Data Analysis , Feature engineering and Ensemble methods were used to achieve the desired results.

- **MNIST handwritten digit recognition using Neural Network.**

  Description: It uses state of the art convolution neural network to recognize hand written digits. Pictures of handwritten digits in MNIST data set are used to train and test neural network.

- **Design and fabrication of Electro-adhesive Pad**

  Description: A pad was designed that works on principle of electrostatics. It uses high voltage of 12kv to produce strong electro-adhesive force capable of lifting weight of 5 kg.