Hassan Farooq

+92-304-1037697
hassanfarooq911@gmail.com
/Hassan
/hassan-farooq

Education

National University of Computer and Emerging Sciences (FAST) 2016 – 2020
BS (Computer Science) *Islamabad*

Punjab College 2014 – 2016
F.Sc. Pre-Engineering *Gujrat*

Introduction to Data Analytics for business on Coursera University of Boulder (August 2020)
Data Storage, Data Extraction Using SQL

Skills

- **Programming Languages:** PHP, MySQL, HTML, Python, C++, Bash Scripting and familiar with Powershell.
- **Technologies:** Laravel, AWS, Git Version Control System, GitHub and familiar with Jenkins and Puppet.
- **Major Subjects:** OOP, Data Structures, Database, Algorithms and Data Science.

Final Year Project (FYP)

Hate Speech Detection and Classification using deep Learning

- Aim of the project was to identify hate content on the social media (Twitter, Facebook).
- Detected and classified hate speech using CNN+GRU and CNN+LSTM on twitter hate datasets.
- Object was to maximize performance using various embedding which include BERT, ELMo, stacked and word embedding.
- Python and Keras was used for the implementation and model was trained and tested on Google Colab.

Projects

Online Delivery System (StacknHeap)

- Developed a overseas delivery website which connect both carrier and buyer and helps them communicate to fulfill their goals using using HTML, PHP core, CSS and MySQL.

Hospital Management System

- Developed a Hospital Management system by starting with ER diagram then database and performed queries for the working of system using PHP, MySQL, HTML and CSS.

Auto-scaling and Load Balancing on AWS

- Deployed an auto scaled load balanced virtual machine on Amazon Web Services, Google Cloud Platform and using Terraform.

Network Emulator

- Implemented a network using data structures Linked List, B-Tree, Queue, Splay Tree, Min-Heap and Dijkstra Algorithm in C++ for message passing.

TORCS Racing Simulator bot

- Created a racing bot by extracting different features from maps and trained them on decision trees and neural network using Python.

Image Classification on manipulated CIFAR-10

- Implemented a classification model using Alex-Net and CIFAR – 10 with missing features used as a data-set. Interpolation was used to complete the image features. Python and Keras was used.