

# Muhammad Usman

Data scientist

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I have experience in creating end to end deep learning pipelines from scratch and deploying state of the art models on web while keeping under consideration the affect of deploying larger size files, Using different type of server management techniques to reduce the response time and providing the best user experience.

## WORK EXPERIENCE

### Data Scientist NeuralNest.ai

05/2021 - Present

lahore

*Achievements/Tasks*

- Email Auto Responder that respond to every new email recieved

### Data Scientist Programmers Force

08/2019 - 01/2021

Lahore

### Face Recognition System Programmers Force

*Achievements/Tasks*

- Outperformed results of AWS Deep vision api for face recognition.
- Trained siamese network for face recognition.
- Built in house face dataset.

### Face Liveness Detection Programmers Force

*Achievements/Tasks*

- Exceeded benchmark results for face liveness detection for video sequences
- Implemented state of the art object tracker and custom face detector.
- Trained tree based Zeroshot Convolutional Neural Networks (ZCNN) followed by a novel LSTM model on in-house curated datasets.
- Identified various types of spoof attacks whilst surpassing human level performance.

### Web Scrapping NeuralNest.ai

*Achievements/Tasks*

- Automating web scrapping tasks using Selenium bots.
- Maintaining sessions using selenium standalone and by passing captcha's for retrieval of data.
- Used the BeautifulSoup Python Library to extract desired data from a given URL an automated way.

### Recommender system ( AWS PERSONALIZE ) NeuralNest.ai

*Achievements/Tasks*

- Trained venue recommendation system on AWS personalize
- Configure and manage data through AWS api
- Configure model through AWS api

## SKILLS

Python

Machine Learning

Tensorflow

Keras

Django

Deep Learning

Data Science

C#

C++

MS Excel

MS Word

javascript

Scikit-Learn

Pandas

Numpy

## PERSONAL PROJECTS

### Chatting Website using WebRTC (FYP) (11/2019)

- We developed a website on which we were offering chat and video communications using WebRTC technology and development was in PYTHON and Django. Usman14051.pythonanywhere.com

### Attendance Management System (Academic Project) (09/2018)

- It was a management system for handling the attendance of students. It was developed in C#. It was managing the attendance for long terms to get rid from manual work.

### Expenses Calculation App (AndroidApp) (01/2018)

- It was abasic app for calculations the expenses. It was a term project.

## EDUCATION

### Bachelors in Software Engineering (08/2015 - 08/2019)

PUCIT, Punjab University College of Information Technology, Lahore

## LANGUAGES

English

Full Professional Proficiency

Urdu

Full Professional Proficiency