### **Personal information**

Surname(s) / First name(s)

Telephone(s)

Email(s)

Website(s)

Ahmed Pyar Ali

+923052506670

ahmed.dhanani@tutanota.com

https://www.kaggle.com/ahmedpyarali

https://www.github.com/mrpycharm

Updated CV

https://mrpycharm.github.io

# **Education**

Bachelors in Computer Science (2013 - 2017) FAST-NUCES, Karachi

HSSC (2011 - 2013)

Aga Khan Higher Secondary School, Karachi

### **Technical skills**

Python

GIT

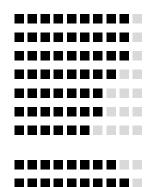
SQL

NoSQL

Javascript

C++

Docker Linux



# Certifications

DataCamp

### Statistical Thinking in Python (Part 1)

https://www.datacamp.com/statement-of-accomplishment/course/68c11ea247e219b7f9c6db69fefc70c445bf83e2

### Supervised Learning with scikit-learn

https://www.datacamp.com/statement-of-accomplishment/course/d38f3a6bcd6cc36eaad59193d58b52f8a5b1cbf5

# Introduction to Data Visualization with Python

https://www.datacamp.com/statement-of-accomplishment/course/2c8f4dfd341ee8581ddd337698c4d223af609268

# **Projects**

**FYP - Malarial parasite detection in blood smears (Python, Matlab)** - Developing a technique to automate the detection of malarial parasites(Plasmodium Falciparum and Vivax) in the blood samples tested in laboratories.

### Sarcasm detection (Python)

https://github.com/mrpycharm/sarcasm-detection-IR

Using different NLP techniques to detect the presence of irony in Reddit comments.

### News Core (Python, PHP, MySql, XML)

https://github.com/ahmeddhanani/newscore

Developed a news aggregation system that fetches updates from multiple online news portals. The fetched news were displayed in a customized fashion on the web interface for the user.

Rescue Me (Python, Firebase) - Responsible for developing a web based interface for an ambulance-patient service. This app lets people call an ambulance in an emergency situations from their cell phones. It has a web interface for the hospitals to manage the availability of the beds and other resources.

Virtual Memory Management (Operating Systems, C) - Developed a virtual memory management system for an operating system. The program assigned and release the virtual memory to a process on demand.

Universal Turing Machine (Python) - Developed a universal turing machine program in python. This program simulated a turing machine on a random set of inputs.

### **Achievements**

April 2014

December 2013

March 2017 Runners up, IBA Probattle's data analytics competition at IBA. April 2016 Winner, Procom's speed debugging competition at FAST-NUCES.

December 2015 Semester project selected as the best project for the annual open house 2015.

Second runner up, Procom's speed programming competition at FAST-NUCES.

Winners of Technocredibles at FAST-NUCES, organized by The Developer's Society.

### Related coursework

Core courses Database Systems, Data Structures, Computer Programming, Introduction to Com-

puting.

Advance courses High Performance Computing, Data Science, Information Retrieval, Bioinformatics, Artificial Intelligence, Introduction to Cloud Computing.

Skills and hobbies

Skills Strong communication and management skills. Hobbies

unity3D game development, music recording, strategy gaming