

## Personal information

Surname(s) / First name(s)

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Updated CV

**Ahmed Pyar Ali**

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<https://www.kaggle.com/ahmedpyarali>

<https://www.github.com/mrpycharm>

<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



R



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/d38f3a6bcd6cc36eaa59193d58b52f8a5b1cbf5>

**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**

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.
April 2014	Second runner up, Procom's speed programming competition at FAST-NUCES.
December 2013	Winners of Technocredibles at FAST-NUCES, organized by The Developer's Society.

**Related coursework**

Core courses	Database Systems, Data Structures, Computer Programming, Introduction to Computing.
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

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