Personal information

Surname(s) / First name(s)	**Ahmed Pyar Ali**
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	https://www.github.com/mrpycharm
Updated CV	https://mrpycharm.github.io/portfolio.html

Education

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

HSSC (2011 - 2013)
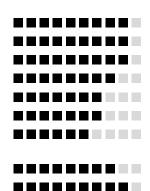Aga Khan Higher Secondary School, Karachi

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/
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

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