

## PERSONAL INFORMATION

## Muhammad Ahmad Khan

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## PERSONAL STATEMENT

To pursue a challenging position that enables to foresee career advancement potential at a renowned and progressive organization and to offer my knowledge, skills and experience as to prove myself an asset for the organization.

## EDUCATION AND TRAINING

- 2015–2019 **Bachelor's Degree in Computer Science**  
FAST - National University of Computer and Emerging Sciences (NUCES), Karachi (Pakistan)
- 2013–2015 **HIGHER SECONDARY CERTIFICATE (HSC) PRE-ENGINEERING**  
Govt. College for Men Nazimabad, Karachi (Pakistan)
- 2011–2013 **SECONDARY SCHOOL CERTIFICATE (SSC)**  
PIA Model Secondary School, Karachi (Pakistan)

## PERSONAL SKILLS

## Organisational / managerial skills

## FINAL YEAR PROJECT

Region Based Sentimental Polarity Identification from Online NEWS:

A sentimental analysis project that was divided into three modules.

■ The first module consist of data mining in which more than 20000 news were scrapped from 25 different news sites of five different countries.

■ The second module consist of different machine learning models that were used to enhance the overall relationship among data and also for predictions of sentiments.

■ The third module consist of a web app that takes the query of relevant news topic and shows the sentimental visualization of same news on a map across different regions.

## COURSE PROJECTS

E-Commerce Website:

Ecommerce Website developed using (functional/procedural) PHP, MySQL and Bootstrap.

Ecommerce Android App:

Ecommerce Android App developed using Kotlin with JSON based Restful web service in PHP.

Ethereum Wallet:

A Non-Deterministic Ethereum Wallet Android application developed using web3j library and connected to the Ethereum testnet using infura API that allow the Ethereum coins to exchange between the users of the wallet. Security parameters were also defined by implementing a mechanism for storing (public and private) keys securely in encrypted manner in android storage.

Internet Topology Dataset:

A Research paper results reproduced (that was published in IEEE conference). New insights of the Router, IP addresses, and Hops were discovered by inferring the visualization generated through data in reproducing the Research results.

Deployment of Containerized E-Commerce Website:

A containerized E-Commerce application deployed on Google Cloud Platform using its Kubernetes service as a container orchestration tool.

Recommendation System:

Recommendation System (collaborative filtering (user based)) developed in python.

Unity 2D Game:

2D Space Invader game developed on Unity game engine using C#.

Super Market Application:

Super Market Application developed in C++ (Console based with filing).

#### Job-related skills

##### PROGRAMMING LANGUAGES

Java:

Core Java, Java for Android.

Python:

Core Python, Pandas, Sklearn, Keras, Flask.

Php:

Laravel, Custom MVC Framework, Web Service (Mobile Back-End).

HTML & CSS:

Bootstrap.

Javascript:

Core Javascript, JQuery, Angular 7.

SQL:

Oracle Database 11g Release 2, Mysql.

C#:

Core C# (.Net Framework), C# for Unity.

##### TOOLS

Net Bean 8.2

Eclipse Oxygen

Android Studio

Spyder IDE

Pycharm (Anaconda Environment)

Jupyter Notebook

Visual Studio Code

Phpstorm

Mysql Workbench

Phpmyadmin

Visual Studio 2015

Unity