

## Raza Hashmi

46-C1 AWT Phase II, Lahore, Pakistan, 5400

23/07/1993

razahashmi.github.io

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### EDUCATION

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**Lahore University of Management Science, Lahore Pakistan** **2012-2016**

Bachelor of Science (Honors)

Major: Economics

**SGPA: 3.79**

**CGPA: 3.68**

Relevant Courses:

Econometrics

Linear Algebra with Differential Equations

Industrial Organization

Statistics and Data Analysis

Time Series Econometrics

Mathematical Applications in Economics

Multivariable Calculus

Game Theory

Programming

Operations Research

**Resource Academia, Lahore, Pakistan.**

**2010-2012**

GCE A Levels Examinations

Relevant Courses: Mathematics (A), Physics (A), Chemistry (A), Economics (A), Thinking Skills (a)

**Bloomfield hall Cardinal school, Lahore, Pakistan.**

**2007-2010**

GCE O Level Examinations (6 As)

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### PROFESSIONAL EXPERIENCES

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#### Research Associate

Machine Learning, Dr. Asim Karim, LUMS

April 2019- Feb 2020

Finance, Dr. Imtiaz-ul-Haq, LUMS

2016-2018

Finance, Dr. Zaghun Umar, LUMS

2016

#### Teaching Assistant

MECO 121 Principles of Macroeconomics, LUMS

2016

ECON 221 Intermediate Macroeconomics, LUMS

2015

#### Industry

Technical Innovation Manager at Ark Re Ltd.

March 2016- Present

Implemented Reinforcement learning to map the organizational structure of a Company. Developed code for Android/IOS mobile applications along with similar numerous projects.

#### Internships

Ministry of Planning, Development and Reforms, Islamabad

June-July 2015

Conducted extensive research and compiled a report on the determinants of Foreign Direct Investments for the Planning Commission of Pakistan.

Faysal bank limited, Lahore

July-August 2013

Developed an innovative marketing strategy for the Solitaire division via industry & SWOT analysis.

#### Volunteer Work

Children Hospital Lahore

2010

Received multiple trainings on psychological assessment, patient care and first aid.

*Resource Academia Tutoring society*

2011

Weekly shifts to help educate academically challenged students.

## **RESEARCH & PROJECTS**

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### **Research Projects**

*Video Encryption Algorithm*

An algorithm for embedding pixels in video frames to create unique identification for encryption.

### **Working Papers**

W1: Hashmi, Karim. Introduction of layers during training.

W2: Hashmi, Allocator Network.

W3: Detecting Anomalies in the stock market of Pakistan using machine learning.

*Papers available on request*

### **Working Projects**

*SYNCUP*

A mobile application to synchronize tasks, notes, alarms, timers and customizable streaks amongst friends.

*OFONO*

An IOS Application that empowers emotional exchanges and measurement on social networks.

### **Research Papers**

Research paper on the determinants of Foreign Direct Investment 2016

Research paper on the effects of education level and age on the fertility of a woman 2015

Research Paper on the Impact of the Benazir Income Support Programme on Child Labour 2014

## **HONORS & AWARDS**

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- Graduation with High Distinction 2016
- Deans Honours List – Lahore University of Management Sciences 2012-2016
- Academic Excellence, Bloomfield Hall school 2008, 2010

### **Activities**

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- Host Team member, LUMS Olympiad & LUMS PSIFI 2013, 2014
- Volleyball Captain & football team member 2011
- Resource Academia Welfare Society member 2010

### **Others/Skills**

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- Python, SQL, R, VBA, C++, JAVA, MATLAB, CUDA, TensorFlow.
- Languages: Urdu (Native), Persian (Native), Punjabi (Native), English (Expert), Hindi (Expert), French (Beginner).

**References available on request**