

## Education

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- **Budapest University of Technology and Economics** – (Fall 2020 – currently enrolled)
  - **Doctorate in Mathematics** – CGPA 4.88/5.00  
Research in “Extremum Problems in Discrete Geometry”
- **Allama Iqbal Open University, Islamabad** – (Fall 2017 – Spring 2019)
  - **Bachelors in Science Education** – result 68%  
Thesis title, “Relationship between Family Environment and Drugs Addiction of Bachelors’ Students”
- **COMSATS University Islamabad, Islamabad Campus** –(Fall 2017 - Spring 2019)
  - **Masters in Mathematics** – CGPA 3.48 (79%)  
Thesis titled, “Inductive Dimension of Ditopological Texture Spaces”
- **COMSATS Institute of Information Technology, Islamabad** – (Fall 2013 – Spring 2017)
  - **Bachelors in Mathematics** – CGPA 3.03 (76%)  
Thesis in Algebra, titled “Representation Theory of Finite Groups”

## Research

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- **Budapest University of Technology and Economics** – Fall 2020
  - **Extremum Problems in Discrete Geometry** (supervised by **Dr. Zsolt Langi**)
    - ◆ Working on Tiling problems of polygons
- **COMSATS University, Islamabad** – Started from Sept 2018
  - **Inductive Dimension of Ditopological Texture Spaces** (supervised by **Prof. Dr. Moiz ud Din**)
    - ◆ Redefined Small Inductive Dimension in Ditopological Texture Spaces
    - ◆ Formulated examples( finite and infinite cases)
    - ◆ Proved sub-space, sum and product theorems
- **COMSATS Institute of Information Technology, Islamabad** – Spring 2017
  - **Representation Theory of Finite Groups** (Supervised by **Dr. M. Fazeel Anwar**)
    - ◆ Obtained substantial knowledge of Representation and Character Theory of Finite Groups.
    - ◆ Constructed Character Table of Symmetric Groups using Classical Techniques

## Experience

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- Teaching in Budapest University of Technology and Economics
  - **Calculus-II** (2<sup>nd</sup> Session of 2020-21)
- **9 months** (15<sup>th</sup> Aug, 2017 – 31<sup>st</sup> May, 2018) **NIP Internship** at Govt. Degree College for Women, Peshawar Road, Rawalpindi.
- **Online teaching** from **Jun 2016** to **Dec 2017** at e-classroom online academy.

## Membership

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- Pakistan Mathematical Society

## Skills on software

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- Excellent command of Latex
- Good command of MAT LAB
- Good command of C++
- Good command of Geogebra
- Excellent command of Microsoft Excel, word, power point, and publisher.

## Languages

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Mother Tongue                      **Urdu**  
Medium of Education                **English (B2)**

## Projects

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- Organized a workshop on “Image data analysis”  
**Fall 2018    COMSATS University, Islamabad**
- Psychology Exhibition  
**Fall 2013    COMSATS Institute of Information Technology, Islamabad**

## Participation

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- *Participated in Mathematical and Statistical Methods in Data Science*  
**FAST-NUCES Islamabad, COMSATS University Islamabad, SZABIST Islamabad, IBA Sukkur                      2018**

## Key Achievements

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- Stipendium Hungaricum scholarship  
**Sept 2020 – Jul 2024    Budapest University of Technology and Economics, Hungary**
- Mevlana Exchange Student Scholarship  
**Sept 2015 – Jan 2016    Dicle University, Turkey**
- 100% Scholarship from Mathematics department of COMSATS, Islamabad.  
**Sept 2013 – Jun 2017    COMSATS Institute of Information Technology, Islamabad, Pakistan**

## Awards and recognition in co-curricular activities

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- **1<sup>st</sup> position award in 400m race, District Sports Committee, Rawalpindi – 2012**
- **2<sup>nd</sup> position award in 4x100m race, District Sports Committee, Rawalpindi – 2012**
- **1<sup>st</sup> position award in Volley Ball, Punjab Youth Festival – 2012**
- **1<sup>st</sup> position award in Badminton, Punjab Youth Festival – 2012**