

# Arfa Anwer Arain

MATHEMATICIAN | EDUCATIONIST

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## Education

<b>Masters of Science</b>	<b>National University of Science and Technology</b> Master of Science in Innovative Technology in Learning Universal Design for Learning (UDL), Psychology in learning and cognition, Learning through Pedagogy	2018 – 2020
<b>Bachelors of Science</b>	<b>National University of Science and Technology</b> Bachelor of Science in Mathematics Calculus, Linear Algebra, Statistics	2014 – 2018

## Experience

<b>Lahore School System (LSS), Islamabad</b>	<b>Teacher</b> <ul style="list-style-type: none"><li>Taught primary classes subject of Mathematics and Computer.</li><li>Applied student-centered and collaborative learning methodology.</li></ul>	2019 – 2020
<b>NUST Creative Learning School, Islamabad</b>	<b>Internship</b> <ul style="list-style-type: none"><li>Used Universal Design for Learning approach for teaching Science and Mathematics to children.</li><li>Introduced project-based learning, Multiple means of action and expression, and student-centered approach.</li></ul>	2019 – 2019
<b>Al-Firdous Welfare Association School, Barakau.</b>	<b>Internship</b> <ul style="list-style-type: none"><li>Used critical pedagogy approach to teach Science to elementary class student</li></ul>	2019 – 2019
<b>Development in Literacy (DIL), ISLAMABAD</b>	<b>Math and Science Trainer</b> <ul style="list-style-type: none"><li>Instructional designer of Math and Science curriculum.</li><li>Designed outline for instructors.</li></ul>	2017 – 2017
<b>Chadar, a non-profit organization</b>	<b>Deputy Head HR (Volunteer)</b> <ul style="list-style-type: none"><li>Planning and task distribution for team.</li><li>Recruitment of members in different teams.</li><li>Organizing street stores, street-schools, and other fundraising events.</li></ul>	2016 – 2017

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## Skills

### Software Skills

Microsoft Office Certified, EViews 10 Stata 1, Adobe Illustrator

### Soft Skills

Pedagogy, Creative thinking, Communication, Organization Teamwork, Time management

### Other Interests

- Graphic Designing and Illustration
- Handcrafted art
- Attending awareness seminars

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## Projects

### NUST Masters

#### Semester Projects

- Learning outcomes by using inclusive Universal Design of Learning framework infused project-based learning (PBL) Approach.
- Critical pedagogy approach on grade race conducted on elementary students.
- Education in Pakistan: character building or destroying? (research conducted).
- Teaching science by presenting content as a hypothesis, no facts.
- Teaching mathematics using student-centered approach A digital learning platform for mathematics

### NUST Masters

#### Thesis

- UDL is an educational framework that includes technology and pedagogy in a lesson plan which involves all the students in the classroom.
  - The study examined the results of UDL implementation in a low-tech primary Math classroom. The results deduced that UDL could improve the conceptual understanding and reduce the math anxiety of students.
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