



## jawad ahsan

**Date of birth:** 10/08/1994 | **Nationality:** Pakistani | **Gender:** Male |

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### ● ABOUT ME

A dedicated and diligent young Scientist who wants to pursue a career in an organization that offers key participation, team-oriented tasks, and which provides an environment that encourages innovative thinking

### ● WORK EXPERIENCE

01/07/2022 – 31/08/2022 Lahore, Pakistan

**UNIVERSITY RESEARCH ASSISTANT** UNIVERSITY OF PUNJAB, LAHORE

Performing UV/Visible Spectroscopy for characterization of samples.

Utilization of Fourier Transform Infrared Spectroscopy, Atomic Absorption Spectroscopy, Atomic Emission Spectroscopy for Characterization of Samples.

10/05/2022 – 09/06/2022 Lahore, Pakistan

**INTERNEE** HSE SERVICES

Utilization of UV/Vis Spectroscopy and AAS for drinking water sampling and waste water.

04/04/2021 – 04/06/2021 Lahore, Pakistan

**INTERNEE** INSPECTEST PRIVATE LIMITED

Installation and inspection of Impressed Current Cathodic Protection (ICCP) system at Pakistan Petroleum Limited Dhok Sultan.

Conducting the monthly Cathodic Protection (CP) Survey at Pakistan Petroleum Limited Adhi Gas Field.

### ● EDUCATION AND TRAINING

01/10/2023 Darmstadt, Germany

**MASTER IN MATERIALS SCIENCE** Technical University Darmstadt, Germany

**Website** <https://www.tu-darmstadt.de/>

22/12/2014 – 14/02/2019 Lahore

**BACHELOR OF ENGINEERING ( METALLURGY AND MATERIALS ENGINEERING)** College Of Engineering and Emerging Technologies University of the Punjab, Lahore

Materials Science, Engineering Ceramics and Glasses, Mechanics Of Materials, Metallurgical Engineering Calculations, Heat Treatment, and Phase Transformations, Composites and Polymeric Materials, Advanced Materials, Fuel and Furnaces, Corrosion Engineering, Surface Engineering and Tribology, Mechanical Properties of Engineering Materials, Iron Making, Steel Making, Engineering Mathematics, Applied Physics, Applied Chemistry

**Address** Post Office Box Number. 54590. Lahore, Pakistan, 54590, Lahore | **Final grade** 3.52 /4.00 |

**Thesis** Effect of nickel concentration in Zn-Ni Alloy electroplating on mild steel

Analytical Chemistry, Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Environmental Chemistry

**Address** Post Office Box Number, 54590, Lahore, Pakistan | **Final grade** 771/1200

## ● LANGUAGE SKILLS

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Mother tongue(s): **URDU**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>ENGLISH</b> | C1            | C1      | C1                | C1                 | C1      |

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

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Microsoft Office | Social Media | content Marketing | PHOTOGRAPHY AND PHOTOEDITING | Introduction to C++ | Life Cycle Assessment ( LCA)

### Technical Skills

Scanning Electron Microscopy | UV-Visible Spectroscopy (UV-DRS) | Atomic Absorption Spectroscopy (AAS) | IR Spectroscopy | Differential Scanning Calorimetry | NMR | High Performance Liquid Chromatography (HPLC)

## ● CONFERENCES AND SEMINARS

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13/12/2021 – 14/12/2021 Department of Chemical Engineering, COMSATS Islamabad, Lahore Campus  
**Winter School Research and Analytical Skills Chemical Engineering, Materials Characterization**

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Participant

19/11/2019 – 22/11/2019 Institute of Education and Research, Punjab University Lahore  
**7th International Conference on Research in Education (ICORE)**

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Participant

21/12/2016 – 22/12/2016 Institute of Chemical Engineering, Punjab University Lahore  
**6th Symposium on Engineering Sciences**

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Participant

## ● VOLUNTEERING

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17/05/2017 – 21/05/2017 University of the Punjab, Lahore  
**Coordinator**

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Arranged and scheduled badminton matches at the annual departmental sports festival

19/11/2019 – 21/11/2019 Institute of Education and Research, University of the Punjab, Lahore  
**Cultural Ambassador**

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Arranged Cultural Stalls and City tours for the Delegation.

● **COURSES AND CERTIFICATIONS**

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31/05/2020

**Protecting the World, Introducing Corrosion Science and Engineering. University of Manchester, Uk**

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Participant

28/05/2020

**Technical Report Writing For Engineer. The University of Sheffield, UK**

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Participant

12/05/2018 – 18/07/2018

**AMAL Career Fellowship, Stanford University USA**

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Participant