



## Usman Ahmad

**Nationality:** Pakistani **Date of birth:** 01/01/1995 **Gender:** Male

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### WORK EXPERIENCE

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#### Lecturer (Creative Computing)

**Bath Spa University RAK Academic Center** [ 13/03/2022 – Current ]

City: Ras al Khaimah

Country: United Arab Emirates

#### Lecturer (Computer Science)

**University of Sialkot** [ 01/10/2021 – 12/03/2022 ]

City: Sialkot, Punjab

Country: Pakistan

#### Lecturer (Computer Science)

**Bahria University, Islamabad** [ 02/02/2020 – 27/09/2021 ]

Country: Pakistan

#### Lecturer (Computer Science)

**Modern College of Commerce and Sciences** [ 01/02/2019 – 01/01/2020 ]

City: Rawalpindi

Country: Pakistan

#### Lecturer (Computer Sciences)

**Dr.A.Q. Khan Institute of Information and Technology** [ 06/04/2018 – 03/01/2019 ]

City: Rawalpindi

Country: Pakistan

#### Technical Support Engineer

**COMSATS Internet Services** [ 06/07/2017 – 27/03/2018 ]

City: Islamabad

Country: Pakistan

### EDUCATION AND TRAINING

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#### MS (Computer Sciences)

**Bahria University, Islamabad** [ 02/09/2017 – 06/06/2020 ]

Address: Islamabad, Pakistan,

Website: <https://bahria.edu.pk/>

#### COMSATS University, Islamabad

[ 02/09/2012 – 12/03/2017 ]

Address: Islamabad, Pakistan,

Website: <https://www.comsats.edu.pk/>

## **Intermediate (Pre-Engg)**

**Punjab College of Science** [ 07/08/2010 – 05/06/2012 ]

Address: Gujranwala, Pakistan,

## **Matriculation**

**BISE Gujranwala** [ 11/04/2008 – 04/07/2010 ]

Address: Pakistan,

## **PUBLICATIONS**

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### **Large Scale Fish Images Classification and Localization using Transfer Learning and Localization Aware CNN Architecture**

[2022]

Computer Systems Science and Engineering

### **A Review on the Impact of AI as Big Data in Computer Network Environment**

[2022]

### **ID Verification to Control Cyberbullying: Juxtaposing the Need and Promise, with Users' Willingness**

[2022]

## **PROJECTS**

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### **Text Paraphrasing using Machine Learning**

[ 01/09/2021 – Current ]

- The Paraphrase Tool is a web application that will help the user to paraphrase its text using deep learning techniques.
- The main purpose of making this project is to help the user to rephrase its text from plagiarism.

### **AI-based Pathology Diagnosis System**

[ 01/09/2021 – Current ]

- This is an AI-based pathology detection system that will help in detecting cancer in humans by using deep learning techniques,
- This intelligent system will take in patients' cell images and will identify and generate a report.

## **DIGITAL SKILLS**

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Machine Learning / Artificial Intelligence / Computer Vision / OpenCV / Deep Learning / Scikit-Learn

## **LANGUAGE SKILLS**

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**Other language(s):**

**English**

**LISTENING C1 READING C1 WRITING B2**

**SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2**

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

## VOLUNTEERING

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### Volunteer at TAKMIL - Teach a Kid Make an Individual Life

[ Islamabad, Pakistan, 02/04/2019 – Current ]

TAKMIL is a non-profit organization registered in the US and Canada, to educate the out-of-school kids of underprivileged areas of Pakistan. My key roles as a volunteer are:

- Monitor the digital platforms of TAKMIL.
- Provide support to teachers with IT issues.
- Provide training to teachers to use online teaching tools.

Link: <https://takmil.org/>

## COURSES

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### Feature Engineering for Machine Learning in Python

[ 03/03/2021 – 25/06/2021 ]

This course gave me hands-on experience on how to prepare data for your own Machine Learning models.

Link: <https://www.datacamp.com/statement-of-accomplishment/course/d75baf5535ffab4646a2eb88b1f260cb16fcc2ac>

### Introduction to Deep Learning in Python

[ 03/03/2021 – 12/06/2021 ]

In this course, I have gained hands-on practical knowledge of how to use deep learning with Keras 2.0, the latest version of a cutting-edge library for deep learning in Python.

Link: <https://www.datacamp.com/statement-of-accomplishment/course/3c2fad113168d34f5dab36e7213d029f8374eb57>

### Data Privacy and Anonymization in Python

[ 04/03/2021 – 30/06/2021 ]

I have discovered how to build and train machine learning models in Python while protecting users' sensitive information such as employee and income data.

Link: <https://www.datacamp.com/statement-of-accomplishment/course/aa1442dceb506f58ba56bae8660e58fdec7c79d6>

### Data Manipulation with pandas

[ 14/04/2021 – 02/05/2021 ]

In this course, I have learned the basics of Data Manipulation with pandas in Python.

Link: <https://www.datacamp.com/statement-of-accomplishment/course/3f55ee791ad7df8a5af62f1adf7874ef649b46c4>

### Introduction to Cybersecurity Tools & Cyber Attacks

Identify key cybersecurity tools which include the following: firewall, anti-virus, cryptography, penetration testing, and digital forensics. description...

Link: <https://coursera.org/share/52546def2661089384ba73f32a9e53e8>

## RECOMMENDATIONS

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### Assistant Professor, University of Limerick, Ireland

Name: Dr. Kashif Naseer Qureshi

Email: [KashifNaseer.Qureshi@ul.ie](mailto:KashifNaseer.Qureshi@ul.ie)

*Please refer to the email for a recommendation.*

**Associate Professor, Bahria University Islamabad, Pakistan**

**Name:** Dr. Arif ur Rahman

**Email:** [arif.buic@bahria.edu.pk](mailto:arif.buic@bahria.edu.pk)

*Please refer to the email for a recommendation.*

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