



Waqas Ahmad

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ABOUT MYSELF

Dedicated and experienced Computer Science educator with over a decade of teaching experience across secondary and tertiary education levels. Currently serving as a Lecturer in Computer Science at the University of Agriculture, Faisalabad, since 2024, where I engage in undergraduate teaching, curriculum development, and academic mentoring. Previously, I served for nine years as a Secondary School Teacher of Computer Science, fostering foundational knowledge and critical thinking skills in students. Known for a strong commitment to student success, effective classroom management, and integrating modern teaching methodologies to enhance learning outcomes. Seeking to contribute expertise in computer science education and a passion for academic excellence to progressive institutions.

WORK EXPERIENCE

University of Agriculture Faisalabad (UAF) Burewala Campus – Burewala, Pakistan

City: Burewala | Country: Pakistan

Lecturer Computer Science

[07/10/2024 – Current]

- Prepare and deliver lectures, tutorials, and practical sessions in various computer science subjects, including programming, data structures, algorithms, and software engineering.
- Develop and update curriculum content in line with current academic standards and technological advancements.
- Conduct assessments, grade examinations and assignments, and provide constructive feedback to students.
- Guide and supervise undergraduate/graduate research projects and final-year theses.
- Participate in academic advising and mentoring to support students' academic and career development.
- Engage in departmental meetings, workshops, and collaborative academic initiatives.
- Contribute to research activities, publications, and conferences in the field of computer science.
- Utilize modern teaching tools and Learning Management Systems (LMS) to enhance learning outcomes.
- Assist in organizing seminars, technical events, and student competitions within the department.
- Maintain academic records and ensure compliance with university policies and quality standards.

Visiting Lecturer Computer Science

[22/09/2021 – 06/10/2024]

- Responsible for preparing and delivering lectures on a wide range of computer science courses, including but not limited to, Machine Learning, Artificial Intelligence, Mobile Application Development, Next Generation Networks, Computer Networks, ICT, Programming with Python, Web Programming (JavaScript, PHP, MySQL), and/or graduate-level computer science/information technology courses
- Developing lesson plans, course material and curricula
- Checking and assessing students' work
- Encouraging personal development via tutorials
- Attending staff meetings
- Engage with students for personality development
- Career Counseling and guiding in choosing career path

Superior College Burewala – Burewala, Pakistan

City: Burewala | Country: Pakistan

Visiting Lecturer Computer Science

[15/09/2020 – 22/09/2021]

To support the design, development and production of learning and teaching material and deliver across a range of modules at Bachelor level. Ensure the efficient delivery of teaching programmes in accordance with the University's strategy, policy and procedures.

School Education Department Punjab – Burewala, Pakistan

City: Burewala | Country: Pakistan

Secondary School Educator (Computer Science)

[12/07/2016 – Current]

- Teaching Computer Technology Courses according to syllabus recommendation of SED.
- Planning lessons and activities that facilitate students acquisition of basic and advanced computer skills.
- Instructing in a manner that develops students' confidence in their abilities.
- Invigilating and grading projects, quizzes, and examinations.
- Attending parent-teacher and faculty conferences.

Allied School Canal Campus – Burewala, Pakistan

City: Burewala | Country: Pakistan

ICT teacher

[30/09/2015 – 11/07/2016]

- Taught middle-grade and Matric-level Computer and assisted with the school yearbook.
- Created and implemented practical oriented computer science syllabus based on an organizational theme.

EDUCATION AND TRAINING

Master of Science in Computer Science (MSCS)

University of Lahore (UoL) [14/09/2016 – 31/12/2019]

Address: 1-Km Defence Road, Near Bhuptian Chowk., Lahore (Pakistan) | Website: <https://uol.edu.pk/> | Field(s) of study: Computer Science | Final grade: 3.48/4.00 | Level in EQF: EQF level 7 | National classification: NQF Level 7 | Type of credits: SCH | Number of credits: 30

Bachelor of Education (B.Ed.)

Allama Iqbal Open University (AIU) [31/03/2017 – 25/08/2020]

Address: Allama Iqbal Open University, Sector H-8, Islamabad- 44000, Pakistan, 44000 Islamabad (Pakistan) | Website: <https://www.aiou.edu.pk/> | Field(s) of study: Education | Final grade: A | Level in EQF: EQF level 5 | National classification: NQF Level 5 | Type of credits: SCH | Number of credits: 54

- General Methods of Teaching
- Research Methods in Education
- Curriculum Development
- Education Assessment and Evaluation
- Educational Technology
- Computer in Education

Master of Computer Science (MCS)

Islamia University of Bahawalpur (IUB) [31/08/2013 – 06/09/2015]

Address: University Chowk, Gulshan Colony, Bahawalpur, Punjab , 63100 Bahawalpur (Pakistan) | Website: <https://www.iub.edu.pk/> | Field(s) of study: Computer Science | Final grade: 3.97/4.00 | Level in EQF: EQF level 6 | National classification: NQF Level 6 | Type of credits: SCH | Number of credits: 72

MSc MCWM (Mountain Conservation & Watershed Management)

University of the Punjab (PU) [31/08/2008 – 31/08/2010]

Address: Canal Rd, Quaid-i-Azam Campus, Lahore, Punjab, 54590 Lahore (Pakistan) | **Website:** <http://www.pu.edu.pk/> | **Field(s) of study:** Mountain Conservation & Watershed Management | **Final grade:** A- | **Level in EQF:** EQF level 6 | **National classification:** NQF Level 6 | **Type of credits:** SCH | **Number of credits:** 67

Bachelor of Science

Bahauddin Zakariya University Multan [31/07/2005 – 30/06/2008]

Address: Bahauddin Zakariya University Bosan Road, Multan (Pakistan) | **Website:** <https://www.bzu.edu.pk/> | **Field(s) of study:** Natural Sciences, Mathematics and Physics | **Final grade:** First Division | **Level in EQF:** EQF level 5 | **National classification:** NQF Level 5

- Math A (Calculus and Analytical Geometry, Linear Algebra and Differential Equations)
- Math B (Vector Analysis and Mechanics, Mathematical Methods, Group Theory and Metric Spaces)
- Physics

Intermediate

BISE Multan [31/08/2002 – 29/10/2004]

Address: Board of Intermediate & Secondary Education, Near Gol Bagh Park, Gulgasht Colony Bosan Road., 60750 Multan (Pakistan) | **Website:** <https://web.bisemultan.edu.pk/> | **Field(s) of study:** General Science (ICS) | **Final grade:** C | **Level in EQF:** EQF level 4 | **National classification:** NQF Level 4

- Mathematics
- Physics
- Computer Science

Secondary School Certificate (SSC)

BISE Multan [31/08/2000 – 14/05/2002]

Address: Board of Intermediate & Secondary Education, Near Gol Bagh Park, Gulgasht Colony Bosan Road., 60750 Multan (Pakistan) | **Website:** <https://web.bisemultan.edu.pk/> | **Field(s) of study:** Science | **Final grade:** B | **Level in EQF:** EQF level 3 | **National classification:** NQF Level 3

COURSES AND CERTIFICATES

[01/09/2023 – 01/09/2023]

Collaborate Effectively for Professional Success (Coursera)

- Apply collaborative behaviors to help your team develop through the four stages of team development.
- Utilize different methods of collaboration to improve teamwork and cooperation in your workplace.
- Recognize the barriers to collaborating effectively and identify specific behaviors that enhance or damage collaboration.
- Identify techniques to effectively lead or participate in virtual team meetings.

Link: <https://coursera.org/share/d1e0d3d86d7121d6011b3781000c2f01>

[01/06/2023 – 01/07/2023]

Foundations: Data, Data, Everywhere

Skills Gained:

- Define key concepts involved in data analytics including data, data analysis, and data ecosystem
- Discuss the use of data in everyday life decisions
- Identify the key features of the learning environment and their uses
- Describe principles and practices that will help to increase one's chances of success in this certificate
- Explain the use of data in organizational decision-making

Certificate:

<https://coursera.org/share/9ccc97ac15ba37f7fe0bc481cd7adaec>

[01/06/2023 – 12/07/2023]

Introduction to Image Processing (Coursera)

Skills Gained:

- *Set up your MATLAB environment*
- *Recognize how image are recorded*
- *Describe the goal of image compression*
- *Identify common image data file formats*

Certificate:

<https://coursera.org/share/af82ce72516a60862ffc07d1c496362b>

[22/09/2023 – 22/09/2023]

Simple Linear Regression for the Absolute Beginner (Coursera)

- Understand the theory and intuition behind simple linear regression models
- Perform data cleaning, feature engineering and visualization
- Build, train and test a simple linear regression model in Sklearn

Link: <https://coursera.org/share/b8cc4d86df92d6b21d9b6743ce654ec0>

[12/10/2023 – 12/10/2023]

University Admission Prediction Using Multiple Linear Regression (Coursera)

- Understand the theory and intuition behind regression models and train them in Scikit Learn
- Perform exploratory data analysis
- Train Artificial Neural Network models to perform regression tasks
- Understand the difference between various regression models KPIs such as MSE, RMSE, MAE, R2, adjusted R2

Link: <https://coursera.org/share/cc9b46b0e6120646231d18e6f0d623d2>

HONOURS AND AWARDS

[18/05/2017] Islamia University of Bahawalpur (IUB)

Gold Medalist

Got First Position in Master of Computer Science (MCS) from IUB

[30/12/2011] University of the Punjab

Silver Medalist

Got 2nd Position in MSc MCWM form University of the Punjab Lahore.

PUBLICATIONS

[2023]

[The Impact of Digital Transformation on Business Performance: A Study of Small & Medium Enterprises](#)

SKILLS

Office Management Skills

Microsoft Office / Microsoft Excel / Microsoft: Microsoft Word, Microsoft PowerPoint, Microsoft Teams

Programming Skills

programming: Python, MATLAB and SQL / C / C++ / Kotlin 13 / HTML / CSS / PHP

Social Skills

Skype / Zoom / LinkedIn / Facebook / Instagram / Social Media / Google Drive / Google Docs

LANGUAGE SKILLS

Mother tongue(s): Panjabi; Punjabi

Other language(s):

Urdu

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

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

REFERENCES

Will be furnished on demand