

Kashaf Ad Dooja

Address: Università di Bologna - Via Zamboni, 33 - 40126 Bologna, Italy (Work)

● ABOUT ME

I am a PhD student at the University of Bologna in the Data Science and Computation program, working on optimizing performance and managing power consumption in High-Performance Computing (HPC) heterogeneous architectures employing high-end RISC processors such as ARM and RISC-V.

● EDUCATION AND TRAINING

01/11/2022 – CURRENT Bologna, Italy
PHD DATA SCIENCE AND COMPUTATION University of Bologna

Involved in the porting and characterization of COUNTDOWN (open-source runtime library) on ARM systems. Benchmarking and performance profiling on E4 EUPEX Cluster and the Monte Cimone RISC-V prototype.

- Courses**
- Computer Architecture
 - Elements of programming Language
 - Applied Machine Learning
 - Introduction to Big Data Processing Infrastructures
 - Infrastructures for Big Data Processing
 - Lab of Big Data Architectures

- Phd Summer School**
- High Performance Computing, University of Pavia, Italy.
 - The 2nd CINI Summer School on High Performance Computing and Emerging Technologies, University of Trento, Italy.
 - 20th International Summer School on Advanced Computer Architecture and Compilation for High-performance Embedded Systems, ACACES 2024 Fiuggi, Italy.

2015 – 2017
MS COMPUTER SCIENCE Lahore College For Women University

I worked on bibliometric co-authors relatedness network and measure to visualize scientific collaboration between co-authors and achieved f-measures of 92% by unified method of mapping and clustering using k-means algorithm.

Final grade CGPA : 3.56/4.00 | **Thesis** Thesis Title : Clustering Co-Authors Based on Bibliographic Data

2011 – 2015
BACHELOR OF SCIENCE IN COMPUTER SCIENCE (BSCS) Lahore College For Women University

During my BSCS I successfully submitted final year project **Words Tunnel** a window desktop IQ game which was developed on a visual studio 2013 using C# language .

Final grade CGPA: 3.42/4.00

● WORK EXPERIENCE

 **LAHORE GARRISON UNIVERSITY – LAHORE, PAKISTAN**
SENIOR LECTURER, SOFTWARE ENGINEERING DEPARTMENT – 27/09/2017 – 13/10/2022

During my tenure at LGU I am responsible for project supervision, student advisory services and teaching the following courses to the bachelor’s student.

- Software Engineering
- Human-computer Interaction
- Data Structures and Algorithm
- Software Project Management

- Introduction to computer technology
- Object-Oriented Software Engineering

Other key responsibilities and area of experience include:

- Develop semester outlines and instructional plans for each class session to comply with stated course objectives.
- Plan and manage development of standards-based curriculum, instruction, and assessment plans and strategies.
- Grading assignments according to strict institutional policies and upheld guidelines for academic integrity while disciplining plagiarism and cheating accordingly.
- Advise students regarding academic coursework and degree options.
- Track student assignments, attendance, and test scores and entered into online database to provide real-time progress monitoring.
- Plan lectures based on targeted learning outcomes as assigned by organizational leadership.
- Attending and participating in meetings, conferences, and other events in and outside of the institution.

 **GOVERNMENT DEGREE COLLEGE FOR WOMEN, LAHORE** – LAHORE, PAKISTAN

COLLEGE TEACHER INTERN – 02/2017 – 05/2017

I started my academic experience from Government Degree College where the key responsibilities and area of experience include:

- Taught computer science subjects to 1st year, 3rd year and 4th year students.
- Engage students fully in their subject and keeping them focused on topics.
- Maintained college computer lab and Assisted students with computer use and software.

 **MICROSOFT INNOVATION CENTRE | PITB** – LAHORE, PAKISTAN

MICROSOFT STUDENT PARTNERS (MSP) – 2013 – 2014

I worked as a Microsoft Student Partners (MSP) in Microsoft Innovation Center where I contributed as ambassadors of Microsoft technologies and worked closely with Microsoft teams to organize the training sessions offered by the Microsoft mentors. This MSP program enhanced my ability to quickly grasp any new technologies and concepts by offering training in IT skills including knowledge of Microsoft latest technologies.

Major responsibilities and key area of experience include:

- To create awareness about latest Microsoft Technologies.
- To promote and develop different Microsoft Platforms.
- To provide learning and support related to Microsoft Technologies.
- To share the knowledge among the academic community by arranging courses, lectures and giving presentations.

● **LANGUAGE SKILLS**

Mother tongue(s): **URDU**

Other language(s): **ENGLISH**

● **SKILLS**

C++ / C# / HTML | Visual studio - Visual Basic | Python(Keras) | Linux | Bash | GitHub | Slurm | Docker | VOS Viewer | Star UML | Adobe (Adobe Illustrator, Adobe Photoshop, Adobe Indesign, Adobe XD) | WPS

● **PUBLICATIONS**

2019

An Expert System Technique for Sentiment Analysis of Opinions

Authors: Sabreena Nawaz, Rabia Khan, Kashaf Ad Dooja | **Journal Name:** Lahore Garrison University Research Journal of Computer Science and Information Technology | **Volume, Issue and Pages:** Vol. 3 No. 3 (2019): LGURJCSIT

2018

Analysis and Evaluation of Requirement Engineering Process at North Bay Solutions

Authors: Sabreena Nawaz, Rabia Khan, Kashaf Ad Dooja | **Journal Name:** Lahore Garrison University Research Journal of Computer Science and Information Technology | **Volume, Issue and Pages:** Vol. 2 No. 1 (2018): LGURJCSIT

- **CONFERENCES AND SEMINARS**

14/12/2020 – 15/12/2020

Attended 3rd International Conference of Computer Science and Allied Technologies (ICCSAT) 2020

19/12/2018 – 20/12/2020

Attended 1st International Conference on Computer Science & Allied Technologies, LGU Lahore

- **HONOURS AND AWARDS**

30/09/2020

Introduction to Artificial intelligence – IBM,Coursera(online)

27/09/2020

Requirement Gathering for Secure Software Development – University of Colorado,Coursera (online)

24/09/2020

Agile Software Development – University of Minnesota,Coursera(online)

13/05/2020

Visual Elements of User Interface Design – California Institute of the Arts,Coursera(online)

Two Day Training Workshop of Office 365 at HEC Lahore – Higher Education Commission, Lahore Pakistan

2010

Secured 100% score in computer science of HSSC-II federal board examination – Garrison Post Graduate College for Women,Lahore

30-05-2025