



AMNA ALI

I'm an Educationist with over a decade of experience in academia. I am strongly committed to provide valuable services to multitude of students with the implementation of effective and efficient teaching methodologies.

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Areas of Expertise

I've mastered multiple programming languages and tools. My area of expertise is Machine Learning.

Professional History

Lecturer

Kinnaird College for women | Sept. 2011 – present

I have taught variety of courses at MPhil and Bachelor level, such as:

- Introduction to Research in CS
- Digital Logic Design
- Software Engineering
- Theory of Automata
- Theory of Computation
- Machine Learning
- Calculus
- Programming Fundamentals
- Microsoft Essentials for Design

Project Supervisor:

- Ensure projects follow established timeline
- Provide technical support and guidance to students

Trainer:

Conducted workshops as a trainer on:

- MATLAB programming
- Research paper writing using LATEX
- Turnitin

Turnitin Account Manager:

Managed the Turnitin accounts of faculty and students at Kinnaird College

Facilitator:

Worked as a facilitator of Active Citizens Program in collaboration with British Council, Pakistan

Freelance Content Writer:

Worked as a freelance content writer from 2008 to 2009

Teaching Assistant:

Kinnaird College for Women | Jan 2007 to May 2007

Worked as a teaching assistant in Database course

Internee:

Process Review Department, United Bank Limited | 14th June, 2006 to 25th July, 2006.

Educational history

2012-2014

- MPhil in Computer Science from Kinnaird College
- Achieved 3.8 CGPA

2004-2008

- Bachelors Honors in Computer Science and Business from Kinnaird College
Major: Computer Science
Minor: Business
- Achieved 3.86 CGPA

1998-2000

- Intermediate, Army Public School and College, Rawalpindi.
- Achieved A grade.

1996-1998

- Matric from Noor Foundation Public High School, Rawalpindi.
- Scored 705 marks.

Projects:

- Developed Medical Diagnostic System using the Evolutionary Algorithms.
- Worked on data encryption and data hiding in images in the final year project.
- Developed an inventory control database of "Focus Pharma" using visual basic.net.
- Developed a website using ASP.net
- Worked on several projects related to product marketing and management.
- Developed a business plan for the niche product and presented in LCCI business plan competition on March 2007

Achievements:

- Received highest achievement certificate in MPhil for securing CGPA of 3.8 and placed on Principal Merit list.
- Received highest achievement certificate in BSCS for securing CGPA of 3.86 and is placed on Principal Merit list.
- Received a cash prize from Chief Minister on producing an excellent result at Intermediate level.

Technical Skills:

- C/C++
- Python
- Databases(SQL)
- Matlab
- Visual Basic
- Web Technology (ASP.Net ,Expression Web)
- Design Tools (MS Visio, Rational Rose, MS Publisher)
- Project Planning Tools (MS Project)

Professional Skills:

Attended a variety of professional development workshops, focused on learning stress management, research paper writing, and statistical tools.

Publications

- “Optimization of Decision Making in CBR based Self- Healing Systems” published in 10th international conference FIT, Islamabad, Pakistan, IEEE computer society.
- “An Optimal Formulation of Feature Weight Allocation for CBR using Machine Learning Techniques, Oral, 10th -11th Nov, 2015. SAI intelligent System Conference 2015. London UK.

Strengths

- **Team leader:** Exhibited worthy teamwork with cross-functional groups in the successful execution of semester projects.
- **Communication:** Good communication skills through active listening and probing questions
- **Writing skills:** Worked as a freelance writer for several online companies.
- **Programming skills:** Executed numerous projects using multiple programming languages.
- **Lesson Planning and execution:** Experience of executing well planned courses.

References

Dr. Junaid Akhtar
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