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DR. SYED MUHAMMAD ALI

PERSONAL PROFILE

A self-motivated person, with a knack for research in Computer Vision, Machine Learning, and Image Processing, having excellent communication and interpersonal skills, adaptable to meet deadlines under tiring situations.

EDUCATION

- **Ph.D. Computer Science**

  University of Central Florida, USA, 2016

- **M.S. Computer Science**

  University of Central Florida, USA, 2014

- **M.Sc. Computer Science**

  University of the Punjab, Lahore, 2003

- **B.Sc. Civil Engineering**

  University of Engineering & Technology, 2000

ACADEMIC HONORS/DISTINCTIONS

- Fulbright Scholarship for Ph.D. studies in the USA.
- Silver medal for overall second position in the university in the M.Sc. Computer Science 2001-2003 batch. Got merit scholarships in all semesters.
- Got Honors in the B.Sc. Engineering Program for maintaining overall average of 77%.

WORK EXPERIENCE

University of the Punjab:

Assistant Professor, Punjab University College of Information Technology
2009 to date

Currently working as an Assistant Professor at Punjab University College of Information Technology, Lahore, since June, 2009.

Job Responsibilities:
- Subjects Taught: Computer Vision, Artificial Intelligence and Theory of Automata.
- Degree Supervisor for the BS Computer Science Program at PUCIT New Campus.
- Member of the College Council, Research Advisory Committee, & Environmental Society
- Supervising and evaluating final year students' projects.

Lecturer, Punjab University College of Information Technology
2004-2009

Worked as Lecturer since March 2004 to October 2008 on contract and later on served in the same position on regular basis till May 2009.

Job Responsibilities:
- Subjects Taught: Artificial Intelligence, Data Mining, Calculus, and Theory of Automata.
- Domain Head for Artificial Intelligence: course designing, revising, supervising student projects for Bachelor and Master programs.
- Member of College Council and Scholarship Committee.
- Member of PUCIT Infra Structure Planning and Development Committee: planning and executing infra structural projects at the campus.
- Faculty Advisor of Literary Society: supervising the publication of the bi-semester college newsletter, arranging literary weeks and competitions.
- Examiner and paper setter for the affiliated colleges of Punjab University College of Information Technology.
- Liaison Placement and Alumni Affairs Office. Conducting and managing on campus recruitment activities.
- Supervising and evaluating final year students' projects.

Visiting Lecturer, Institute of Education and Research (IER)

 Worked as visiting faculty and taught the subject of Computer Aided Design to the students of Master of Technology Education from May 2005 to March 2006.

Engineering Systems (Pvt.) Ltd.
2002-2003

Imparted training of AutoCAD to the personnel of Pakistan Railways at the Pakistan Railways Academy, Walton, Lahore.

RESEARCH INTERESTS
Computer Vision, Machine Learning, and Artificial Intelligence.

RESEARCH PUBLICATIONS
- Muhammad Ali and Hassan Foroosh, *Natural Scene Character Recognition Without Dependency on Specific Features*. International Conference on Computer Vision Theory and Applications (VISAPP 2015), ISBN 978-989-758-090-1, pages 368-376. DOI: 10.5220/0005305603680376
- Muhammad Ali and Hassan Foroosh, *A Holistic Method to Recognize Characters in Natural Scenes*. International Conference on Computer Vision Theory and Applications (VISAPP 2016) ISBN 978-989-758-175-5, pages 449-457. DOI: 10.5220/0005787904490457
- Muhammad Ali and Hassan Foroosh, *Character Recognition in Natural Scene Images using RANK-1 Tensor Decomposition*. IEEE-International Conference on Image Processing (ICIP 2016) ISBN 978-1-4673-9961-6. Pages 2891-2895 DOI: 10.1109/ICIP.2016.7532888
- Muhammad Ali, *A study of holistic strategies for the recognition of characters in natural scene images* (Ph.D. Dissertation). University of Central Florida, 2016.

CONFERENCES/WORKSHOPS ATTENDED

- Attended Open Forum 2016 on "Business and Social Entrepreneurship" hosted by Open Silicon Valley, held in Santa Clara, California, USA
- Participated in the IEEE International Conference on Computer Vision and Pattern Recognition (CVPR 2014), held in Columbus, Ohio, USA
- Attended IEEE International Workshop on Machine Vision (IWMV 2014), held in Columbus Ohio, USA
- Participated in the IEEE International Conference on Image Processing (ICIP 2012), held in Orlando, Florida, USA
- Attended a workshop on "Foundation of Data Mining" held at Lahore University of Management Science (LUMS), held in June 2005.
- Attended a workshop on "Functional Genomics" held at Lahore University of Management Science (LUMS), held in May 2007.

ACADEMIC/PROFESSIONAL MEMBERSHIPS

- Member of IEEE-USA
- Member of Fulbright Alumni Association
- Member of Forman Christian College Alumni Association

HOBBIES AND VOLUNTEERING

- Reading books on History, Astronomy and Urdu Literature.
- Travel and sightseeing, esp. visiting sites of historical significance.
- Volunteered at 'Feeding Children Everywhere'- a charity to fight hunger worldwide.
- Held membership of a charity USA for UNHCR, which worked under United Nations High Commission for Refugees.

PERSONAL INFORMATION:

- Date of Birth: 29th January, 1976
- Permanent Address: 62-P, Johar Town, Lahore, Pakistan