Safia Kanwal

Current	PHD Scholar and Researcher in PUCIT
Previous	Lecturer in PUCIT and University of Gujrat,
	Senior Software Engineer, Software Engineer
Education	PHD Scholar, MSc Computer Science

Safiakanwal2006@gmail.com

SKILLS

Technical Skills: Data Science & Machine Learning (Python, Keras, Tensorflow, Bokeh, Sklearn, Matlab, Microsoft Bot framework) IOS development (Swift, Objective C, Xcode), Android development, Data Structure and Algorithm analysis (C++), WebAPI integration

Language: English (Fluent), Urdu (Fluent)

EXPERIENCE & ACHIEVEMENTS

Machine Learning Developer at Algo (April 2020- September 2020)
Working as an ML & NLP engineer; my responsibilities including the design and development of a bot that understands the business requirements in a human language.

PHD Scholar at Punjab University College of Information and Technology (PUCIT), Lahore Pakistan (Oct 2016-Continue)
I have cleared my course work with different projects in Data Science, ML, NLP and deep learning using latest technology. My interests are to explore and gain expertise in the domain of Data science

Lecturer at PUCIT Lahore (2019)
I have taught "Mobile Computing" to the 6th semester of BSE in PUCIT during Spring-19.

Machine Learning developer at Pencil News Lahore Pakistan (Nov 2017- Sep 2018) Involved in ML tasks on Urdu news; major development
(i)Topic extraction from Urdu news
(ii)Urdu news recommendation system

Lecturer and Project Supervisor-BPS 18 at University of Gujrat, Pakistan (2014 – 2017)
Worked as a lecturer and was actively involved in various academic and non- academic activities. I had supervised multiple under-gat projects comprises of mobile apps and small-level hardware projects and taught a list of courses, including; Data Structures, Web Technologies, Mobile Application Development (android), Software Design and Architecture, Operating Systems

Senior Software Engineer, at M/s. Game View Studio, Lahore Pakistan (2012-2013)
Working as a team leader, my duties comprises of assigning tasks among development team, collaboration with QA and server team and to keep client updated about the project. Moreover, my duty includes; Mobile application design and development.

Software Engineer at Game View Studios Lahore, Pakistan - (2010-2012) I have worked on different iOS mobile game apps and an in house game engine; using native iOS development tools and cocos2d.

EDUCATION

PHD in Computer Science (PUCIT Lahore – 2016-Continue)
MSc in Computer Science (University of Engineering and Technology – 2010 –2013) **BSc in Computer Engineering** (University of Engineering and Technology – 2006 – 2010)

PRESENTATIONS, PROCEEDINGS, AND PAPERS

❖ Kanwal S., Malik K, Shahzad K.,Aslam.F,Nawaz.Z "Urdu Named Entity Recognition: Corpus Generation and Deep Learning Applications," 2019 ACM Transactions on Asian and Low-Resource Language Information Processing

❖ Shahzad, K., Kanwal, S., Malik, K., Aslam, F., & Ali, M. (2019). A word- embeddingbased approach for accurate identification of correspond- ing activities. Computers Electrical Engineering , 78 , 218 - 229 ❖ Shahzad K., Kanwal S., Malik K. (2019) Process Model Matching with Word Embeddings. In: Bajwa I., Kamareddine F., Costa A. (eds) Intelligent Technologies and Applications.
INTAP 2018. Communications in Computer and Information Science, vol 932. Springer, Singapore ❖ Waheed .M, Kanwal S, (2019). "Execution of Innovative Algorithm to Enhance the Sensor Node's Energy", 6, International Journal Of Advances In Electronics And Computer Science (IJAECS)