Muhammad Ali Shafique

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| Ph.D. student, Department of Electrical and Computer Engineering, Kansas State University Manhattan Kansas USA 66502 |  | Tel. (785) 317 9164 |
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**Summary**

I am a graduate student in the Department of Electrical and Computer Engineering, Kansas State University Manhattan US. I am enrolled in the Ph.D. program on the Fulbright scholarship. I'm interested in machine learning and edge computing. Much of my research is about efficient inference of machine learning models on edge devices. It includes low latency and high throughput with negligible effect on accuracy.

**Timeline**

January 2022 – **Ph.D. Student**, Department of Electrical and Computer Engineering, Kansas State Present University USA

March 2018 – **Lecturer**, Department of Electrical Engineering, University of Engineering and Technology

December 2021 (UET) Lahore, Pakistan.

August 2016 - **Graduate Assistant (Contract)**, Department of Electrical Engineering, University of

August 2017 Engineering and Technology (UET) Lahore, Pakistan.

**Education**

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| **Degree/ Certificate held** | **Year of**  **Award** | **Field/ Subject** | **University/ Institute/ Board** | **Marks Detail** | | **Percentage** |
| **Obtained** | **Total** |
| MSc | 2017 | Electrical  Engineering | University of Engineering and  Technology, Lahore. | 3.675 | 4.000 | 91.87 |
| BSc | 2015 | Electrical  Engineering | University of Engineering and  Technology, Lahore. | 3.590 | 4.000 | 89.75 |

**Research Experience\_\_ \_**

**Projects**

• Personal Website: <https://sites.google.com/view/alishafique/home>

• GitHub Profile Link: <https://github.com/alinspiron>

**Publication**

• U. Shahid, M. Shafique, S. Iqbal, and M. Salman, "A novel technique for studying chaos using an electronic circuit based on op-amps", *2017 European Conference on Circuit Theory and Design (ECCTD)*, 2017.

**Massive Open Online Courses**

April 2020 Completed Specialization in Deep Learning by Dr. Andrew Ng, on Coursera

June 2019 Audit CS231n: Convolutional Neural Networks for Visual Recognition by Fei Fei Li, Standford

University

March 2019 Completed Course on Machine Learning by Dr. Andrew Ng, Stanford University on Coursera

December 2018 Nonlinear Dynamics: Mathematical and Computer Approaches by Dr. Liz Bradley with

Course Grade 94% completed on Santa Fe Institute’s Massive Open Online Course

December 2018 Publons Academy Practical Peer Review Course completed on Online Publons Academy

November 2018 Introductions to Dynamical Systems and Chaos by Dr. David Feldman with Course

Grade 97% completed on Santa Fe Institute’s Massive Open Online Course

July 2018 Scientific Writing for Impact Factor Journals Workshop organized by Lahore College for Women University

**Master and Bachelor’s Prominent Courses**

• Microprocessor Systems

• Control Systems

• Stochastic Processes

• Optimization Theory

• Nonlinear Dynamical Systems

• Introduction to Machine Learning

**Achievements and Awards**

• Highest CGPA in 3rd Semester and Dean Honors in four Semesters in Undergraduate

• Outstanding and Valued Volunteer Facilitator of IET On Campus UET Lahore

• BRAINIAC Judge 2015 in ICOSST

• Final year project was selected as *“Top Ten best final year projects in 2015”* in the Department of Electrical

Engineering, University of Engineering and Technology, Lahore.

• Winner of Quizomania, an event arranged by the IET UET Chapter at the university level.

**Professional Activities**

• Deputy Director in Control System Lab.

• Undergraduate Final year projects Assistant Coordinator

• Member Accreditation Committee based on Outcome-Based Education

• Member Safety Committee for ensuring OHSAS 18001:2007 standard in Electrical Department UET Lahore

• Outstanding and Valued Volunteer Facilitator of IET On Campus UET Lahore

• Member of organizing team of many conferences *ICOSST 2014*, *INMIC, ICEE 2017,* and *ICEE 2018*.