Dr. Syed Fawad Hussain

Associate Professor,
Department of Computer Science
University of Birmingham.

Field: **Computer Science, Machine Learning and Big Data Analysis**

Syed Fawad Hussain obtained his MS degree in Computer Science from the prestigious Pierre and Marie Curie University (now Paris-Sorbonne University), a top 50 ranked university in the world (World Ranking #36), Paris, France, and a Ph.D. in Computer Science from the University of Grenoble (World Ranking #151-200), Grenoble, France. His area of research during his Ph.D. was Machine Learning and Artificial Intelligence in which he proposed new algorithms for finding similarity patterns in data. He was associated with the AMA team (now part of LIG Lab, Grenoble, France).

He has worked on various academic-industrial projects during his educational career. Prior to joining the University of Birmingham, he was associated with the prestigious GIK Institute where he served as a professor and dean of graduate studies. Before that, he was associated with the TIMC Research Labs, where he was involved in research related to defining similarity measures in a linked graph with application to text mining for social media networking as part of a project partly funded by the French National Research Association and Xerox Research Europe. While at the ERIC research labs in Lyon, France, he proposed a Personalized Health Anticipation Data Warehouse as a novel approach to healthcare management and preemptive response, mainly designed for the French National Football Team.

Dr. Fawad Hussain is an HEC approved PhD supervisor, a professional member of the Association for Computing Machinery (ACM), a senior member of Institute of Electrical and Electronics Engineers (IEEE), a member of the Higher Education Commission (HEC) of Pakistan National Curriculum Review Committee for Computer Science, a reviewer for the HEC National Research Project for Universities (NRPU) and the Pakistan Science Foundation (PSF). During his academic career, he has been awarded an HEC foreign scholarship for Ph.D., a Google/IBM Grant based on his publication at the SIAM Data Mining Conference (SDM 2010, USA), and merit certificates for 1st position at the intermediate level.

Syed Fawad Hussain is recipient of multiple research and teaching awards. He was awarded the nationwide Best University Teacher Award (BUTA) for the year 2015 by the Higher Education Commission of Pakistan. The award is conferred based on a candidate's teaching, research and other scholarly work performed during an academic year. He has also been awarded the G.I.K Research Award.

His research interests lie in the field of machine learning, algorithm development, and their practical applications to textual, social-media, and medical data. He has more than forty publications in Q1-ranked journals and CORE ranked conferences, along with multiple book chapters published in books series by IOP.

Dr. Fawad has been a COMSTECH Distinguished Scholar since 2021 and currently serves as an Associate Professor at the University of Birmingham (Dubai campus).