KALEEM KASHIF

EDUCATION AND TRAINING

[01/05/2022 – Current]

PhD Research Scholar

Sapienza University Rome, Italy

Address: Via Eudossiana, 18 00184, Rome, 00184, Rome, Italy
Field(s) of study: Information and Communication Technologies
Main subject / occupational skills covered:
Research topic on Reassigned Spectrogram, Speech Signals Processing

[01/09/2017 – 30/03/2020]

Master of Science (M.Sc.) in Information and Communication Engineering

Donghua University

Address: Shanghai , China
Final grade: 81%
Thesis: Improved Extreme Learning Machine based Accent Identification
Main subject / occupational skills covered:
Short Description: Research focuses on the area of Speech Signals Processing, Machine Learning, AI applications. Extreme Machine Learning Model (ELM) has been designed and implemented on Consonant Phonemes based Speech data, to identify Arabic native speaker's accent, and an Improved ELM model (MKELM) Multi-Kernel based Extreme Learning Machine (a novel architecture model approach) has been designed and implemented for the multi-classification of foreign accents using multiple background speaker's speech data. Proposed approaches show better performance, less computational time, more accuracy as compared to all existing state-of-the models.
Research Supervisor: Prof. Dr. Yizhi Wu

[10/06/2006 – 30/12/2010]

Bachelor of Science (B.Sc.) in Electronic Engineering

The Islamia University of Bahawalpur

Address: Bahawalpur, Pakistan
Final grade: First Division
Thesis: Designed and implementation of DC-DC converter
Main subject / occupational skills covered:
Short Description: Improved circuit of Buck-boost idea has been implemented and designed a variable power supply for portable devices Laptops, air space vehicles, and space shuttles and verified different results detailed research in the fields of Power Electronics, All the experiments have been done under the advance lab of KAMRA Space Laboratory Pakistan.
Research Supervisor: Assoc. Prof. Dr. Aoun Muhammad

WORK EXPERIENCE

[15/02/2022 – 30/04/2022] **Research Assistant**

Lab of Computing and Artificial Intelligence, University of South Bohemia

City: Ceske Budejovice
Country: Czechia
Main activities and responsibilities:
- Assistant In Research Project based on Automatic Speech Recognition and Dialect Identification
- Lab demonstrator
- Teaching Course work- Modern Communication, Signal and System

[10/10/2015 – 20/08/2017] **Assistant Project Manager**

Huawei Tech. Investment Saudi Arabia Co. Ltd

City: Riyadh
Country: Saudi Arabia
Main activities and responsibilities:
- Expertly managed quality, time-saving and cost-effective projects while coordinating with field teams, PM's and clients to meet satisfactory outcomes.
- Delivered technical support to field teams in troubleshooting during field live network operations.
- Ensured to identify uncertainties & risks for vendors and operators. Collaborated with senior management to participate in forecasting and scheduling.
- Prepared reports on SharePoint, WFMS and periodically reporting to PMO

[01/05/2014 – 30/09/2015] **Field Mantinance Engineer**

Huawei Technologies Pakistan Pvt. Ltd

City: Islamabad
Country: Pakistan
Main activities and responsibilities:
- Troubleshooting and up-gradation of 3G traffic network at NodeBs end including power.
- Preventive maintenance of Radio Network Controller (RNC) including power rectifier.
- Operation and maintenance of all regional 2G, 3G Huawei NodeBs and microwave equipment.
- Conduct and perform acceptance test Procedure (ATP) for newly installed 3G equipment.
- Forecast and make sure of the availability of strategic spares for any major accidental emergency.
- Perform activities for 3G MW links up-gradation and achieve best received signal level (RSL).
- Troubleshooting and testing of 3G microsites.
- Responsible for overall North region preventive maintenance of 3G sites.
- Responsible to share high-level summary report of SLA, MW, RSL,PM, and CM with customer

[10/01/2011 – 30/04/2014] **Lecturer**

Quaid-e-Azam College of Engineering and Technology

City: Sahiwal
Country: Pakistan
Main activities and responsibilities:
Lab demonstrator

Teaching Course work- Modern Communication, Signal and System, Wireless Networks

RESEARCH ACTIVITIES

Research Interests

Information and Communication Technology (ICT) area: Speech Signals Processing, Digital Signal Processing, Reassigned Spectrogram, Audio-Visual Technology.

DIGITAL SKILLS

My Digital Skills

Microsoft Office | Huawei U2000 | WEB LCT | ANSYS (HFSS) | CST Microwave Studio | Microsoft/ Microsoft Office | Multisim: Tool for Circuit Designing | Team-work oriented | Audiocity | Tools: Proteus, Multisim, OrCAD, Express PCB, Auto Cad, Wireshark.

Programming Language Skills

Programmin language PYTHON | MATLAB&Simulink | C, C++c C#

Interpersonal Skills

Organizational and planning skills | Written and Verbal skills | Good listener and communicator | Decision-making | Motivated | Analytical skills

PUBLICATIONS

Scientific Publications

Kashif Kaleem, Yizhi Wu, and Adjeisah Michael. "Consonant Phoneme Based Extreme Learning Machine (ELM) Recognition Model for Foreign Accent Identification." The World Symposium on Software Engineering. ACM, 2019.https://doi.org/10.1145/3362125.3362130.

Abdur Rasool, Ran Tao, **Kaleem Kashif**, Waqas Khan, 'Statistic Solution for Machine Learning to Analyze Heart Disease Data Proceedings of the 2020 12th International Conference on Machine Learning and Computing https://doi.org/10.1145/3383972.3384061.

Halepoto, Habiba, Tao Gong, and **Kaleem Kashif**. "Real-Time Quality Assessment of Neppy Mélange Yarn Manufacturing Using Macropixel Analysis." Tekstilec 62.4 (2019) https://DOI.org/10.14502/Tekstilec2019.62.242-247.

Gu, Xiaochun, Fang Han, Zhijie Wang, **Kaleem Kashif**, and Wenlian Lu. "Enhancement of gamma oscillations in E/I neural networks by an increase of difference between external inputs." Electronic Research Archive (2021). http://doi.org/10.3934/era.2021035.

Kaleem Kashif, Yizhi Wu, Habiba Halepoto, Abdul Rasool. " Multiple Kernel-based Extreme Learning Machine model for Multi-class Classification of Foreign Accent Identification. " Is in progress in SCI Journal Neurocomputing (Elsevier -IF 3.4).

Qinghua Zhu; Fang Han; Zhijie Wang; Wenlian Lu; **Kaleem Kashif**, Dynamical mechanisms of a monolayer binocular rivalry model with fixed and time-dependent stimuli" Submitted in SCI journal Nonlinear Dynamics for publication.

CONFERENCES AND SEMINARS

Workshops and Internships Certificates

- Certification on completion of one-month Internship at NTDC Pakistan.
- Certificate on completion of one-month diploma in Office Management from IT College Pakistan.
- Certificate of Completion Training on Electrical Safety and Awareness (MindMerge) Saudi Arabia.
- Certificate of Recognition (Workshop on WiMAX & VoIP) at the Islamia University of Bahawalpur.
- Certification of Participation in IEEE AEPEX at the Islamia University of Bahawalpur.
- Certificate of completing a workshop on WiMAX at the Islamia University of Bahawalpur.
- Workshop Certificate (Practical GSM Fundamentals) at the Islamia University of Bahawalpur.
- Seminar Certificate (Technopreneurs and Research in Pakistan) at the Islamia University of Bahawalpur.

HONOURS AND AWARDS

Scholarship and Awards

- Won PhD Fellowship from Sapienza University Rome (3 Years)
- Won China Government Full Scholarship for Master Degree (3 Years)
- Received best Employee of the year award from Huawei (KSA)
- Got appreciation certificate from STC-Huawei KSA on successful completion of the project.

LANGUAGE SKILLS

Mother tongue(s): Urdu

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** C1

Chinese

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

RECOMMENDATIONS

Professor
Name: Prof. Maria-Gabriella Di Benedetto
Email: mariagabriella.dibenedetto@uniroma1.it

(PhD Supervisor)

Sapienza University Rome, Italy.