Waseem Abbas

fromwaseem@yahoo.com | Personal Website | Waseem Abbas | fromwaseem

EDUCATION

University of Science and Technology, (UET), Taxila, Pakistan

MS in COMPUTER SCIENCE

RESEARCH in DEEP LEARNING/MEDICAL IMAGE ANALYSIS

From: Oct 2018 to June 2021

Islamia University of Bahawalpur, (IUB), Pakistan

BS in COMPUTER SCIENCE

From: Sep 2013 to Jan 2018

COURSEWORK

Machine Learning/ Artificial Intelligence, Advance Neural Networks, Computer Vision, Computer Programming, Data Structures & Algorithms, Computer Networks Linear Algebra & Calculus.

SKILLS

Programming Languages

• C++ • Python • MATLAB • Tensorflow • Keras

Software/Tools/Libraries

• Pycharm • Anaconda • Visual Studio • Jupyter NB • Spyder • OpenCV • Numpy • Scikit Image • Scipy • Pillow

Certificates

•Technical Course Track – Jul 2018

•Web Development – Dec 2015

Linguistics

• English (GT & Academic)

• Urdu (Native)

AWARDS

• 2021 Best Researcher of the year from Dean faculty of Computer Science.

PUBLICATIONS

- **Abbas, W**., Adnan, S. M., Javid, M. A., Ahmad, W., & Ali, F. (2021). ANALYSIS OF TIBIA-FIBULA BONE FRACTURE USING DEEP LEARNING TECHNIQUE FROM X-RAY IMAGES. International Journal for Multiscale Computational Engineering, 19(1).
- **Abbas, W**., Adnan, S. M., Javid, M. A., Majeed, F., Ahsan, T., & Hassan, S. S. (2020, November). Lower Leg Bone Fracture Detection and Classification Using Faster RCNN for X-Rays Images. In 2020 IEEE 23rd International Multitopic Conference (INMIC) (pp. 1-6). IEEE.

EXPERIENCE

Sino-Pak Center for Artificial Intelligence (SPCAI) Haripur, PAK

RESEARCH ASSICIATE- MACHINE LEARNING Aug 2021- Present

- Research area concerns Radar, Signal Processing, Artificial Intelligence/Machine learning specifically Deep learning.
- Main interest of research is supervised/unsupervised techniques for gestures recognition directly from raw radar data for a specific hand gesture. Real time data acquisition, preprocessing, classification, recognition/identification, object shape and spatial analysis.
- Actively contribute to research regarding similar concerns of supervised/ unsupervised learning, computer vision and deep learning tasks.
- Prepared documentation, presentations, and highlighted findings to support projects.

National Center of Artificial Intelligence (NCAI) Islamabad, Pakistan

RESEARCH ASSISTANT Jul 2021- Aug 2021

- Apply Computer Vision Techniques with genomics information (Radio genomics) to identify, classify and segmentation of cancer from non-small cell lung cancer using MRI images.
- Apply machine learning techniques and employ neural networks for classification of malignant breast cancer and other abnormalities.
- Actively participate and contribute to research regarding similar concerns of medical image analysis and Identification/classification of malignant abnormalities.

University of Engineering and Technology (UET) Taxila Pakistan

RESEARCH ASSISTANT Aug 2020- Mar 2021

- Apply Image Processing Techniques with Machine Learning algorithm for detection and classification Tibia-fabula Bone Fractures of X-Rays Images
- Worked on diverse projects related to medical imaging and signal processing
- Actively contributed to collective research projects under collaborated Labs.

University of Engineering and Technology (UET) Taxila, Pakistan

TEACHING ASSISTANT- COMPUTER SCIENCE Jul 2016 - Dec 2019

- Deliver Lectures related to machine learning, analysis of algorithm, operating systems.
- Conduct the lab of machine learning and operating system.
- Actively participate in various committees for administrative and academic activities.
- Contribute to AI Research Group along with other colleagues to supervise machine learning related projects in research and development.
- Supervisory for research projects of final year students in product designing, development, and reform strategy – with research interests of imaging, audio, and radar signals.
- Held Lab Programming Sessions/ Workshops for machine learning and deep learning via python for 50+ students per semester.