ATIF
KHURSHID

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RESEARCH INTERESTS

Deep Learning · Computer Vision · Natural Language Processing

EDUCATION

MS Computer Science | National University of Sciences and Technology
2020 – 2022

Thesis Title: *Efficient face retrieval for large-scale video stream analytics*

Supervisor: Dr. Moazam Fraz

Major Courses: *Deep Learning · Computer Vision · Natural Language Processing*

BS Computer Science | The Chinese University of Hong Kong
2016 – 2019

Major Courses: *Artificial Intelligence · Machine Learning · Computational Learning Theory*

PROJECTS

StreamFace: Extracting a large-scale face dataset from livestreams
OCT 2021 – MAR 2022

A study of efficient face retrieval techniques in a real-time video stream analytics system with the aim of generating a large-scale face dataset.

Transfer learning grammar for multilingual surface realisation
OCT 2020 – FEB 2021

A study of cross-lingual transfer learning of grammatical features in a transformer model for multilingual surface realisation.

Online machine learning-based framework for network intrusion detection
SEP 2018 – MAY 2019

Extendible framework for incorporation of arbitrary machine learning models in online network intrusion detection systems.

Heart disease classification using deep residual learning
SEP 2017 – DEC 2017

Implemented a Deep Residual Neural Network to detect Atrial Fibrillation using the dataset from PhysioNet Computing in Cardiology Challenge 2017.

AWARDS

- University Admission Scholarship and Honours at Entrance, 2016-19
- Faculty of Engineering ELITE Stream Scholarships, 2017-18 and 2018-19
- United College Scholarships, 2017-18 and 2018-19
- Computer Science Scholarship, 2016-17
- Dean's list, 2016-17 and 2018-19

SKILLS

- Proficient in Python, Scikit-learn, TensorFlow and OpenCV
- Experienced in Linux and Git
- Familiar with C/C++, Java, JavaScript and Node.js

PUBLICATIONS

2021 A. Khurshid, S. Latif and R. Latif, "Transfer Learning Grammar for Multilingual Surface Realisation," 2021 International Conference on Digital Futures and Transformative Technologies.