Shehryar Malik

shehryar.malik@itu.edu.pk
https://shehryar-malik.github.io/
https://linkedin.com/in/malik-shehryar

Objective

To understand and express intelligence mathematically – which is the ultimate objective of the field of artificial intelligence.

Education

Lahore University of Management Sciences, Lahore September 2019 – May 2021
Masters of Science • Computer Science

University of Engineering and Technology, Lahore August 2015 – May 2019
Bachelor of Science • Electrical Engineering

Aitchison College, Lahore August 2013 – May 2015
A Levels

Work Experience

Research Assistant July 2019 – Present
Center of Artificial Intelligence and Computational Science,
Information Technology University, Lahore.
Research Advisor: Dr. Ali Ahmed.

Research Intern July – September 2018
Centre for Language Engineering,
Khwarizmi Institute of Computer Science, Lahore.

Research Intern July – August 2018
Bio-Inspired Simulation and Modelling of Intelligent Life Laboratory,
Information Technology University, Lahore.

Research Intern May – August 2017
Internet of Things Laboratory,
Khwarizmi Institute of Computer Science, Lahore.

Research

S. Malik*, U. Anwar*, A. Ahmed, and A. Aghasi. Learning to solve differential equations across initial conditions. In *ICLR 2020 Workshop on Integration of Deep Neural Models and Differential Equations*, 2020. URL http://arxiv.org/abs/2003.12159

U. Anwar*, **S. Malik***, A. Ahmed, and A. Aghasi. Inverse constrained reinforcement learning, 2020. URL https://arxiv.org/abs/2011.09999. arXiv

Theses

Urdu Handwriting Recognition using Deep Learning September 2018 – May 2019
Senior Project • https://shehryar-malik.github.io/theses/sp
Advisor: Dr. Ubaid Ullah Fayyaz

Skills

- Natural Languages: Proficient in English and Urdu.
- Programming languages: Proficient in Python, Golang, LaTeX.
- Libraries: Extensively used NumPy, TensorFlow and PyTorch.

Selected Coursework

Artificial Intelligence and Machine Learning

- Deep Reinforcement Learning (UC Berkeley CS294-112)
- Natural Language Processing with Deep Learning (Stanford CS224n)
- Convolutional Neural Networks for Visual Recognition (Stanford CS231n)
- Machine Learning (Stanford CS229)
- Introduction to Artificial Intelligence (MIT 6.034)

Mathematics

- Convex Optimization - I
- Probability and Statistics
- Linear Algebra