Shehryar Malik

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https://shehryar-malik.github.io/
https://linkedin.com/in/malik-shehryar

Education

Lahore University of Management Sciences, Lahore September 2019 – May 2021
Masters of Science • Computer Science • Dean's Honour List

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

Aitchison College, Lahore August 2013 – May 2015
A Levels • Academic Blazer

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

S. Malik*, U. Anwar*, A. Ahmed, and A. Aghasi. Inverse constrained reinforcement learning. In *International Conference on Machine Learning*, 2021. URL https://arxiv.org/abs/2011.09999

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

Theses

Neural Network Pruning Through Constrained Reinforcement Learning September 2020 – May 2021
Master's Thesis
Advisor: Dr. Murtaza Taj

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, PyTorch and OpenCV.

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