

SHEHRYAR MALIK

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EDUCATION

Lahore University of Management Sciences, Lahore Masters of Science • Computer Science • Dean's Honour List	September 2019 – May 2021
University of Engineering and Technology, Lahore Bachelor of Science • Electrical Engineering	August 2015 – May 2019
Aitchison College, Lahore A Levels • Academic Blazer	August 2013 – May 2015

WORK EXPERIENCE

Chief Executive Officer AxcelerateAI.	January 2022 – Present
Research Assistant Center of Artificial Intelligence and Computational Science, Information Technology University, Lahore. Research Advisor: Ali Ahmed.	July 2019 – December 2021
Research Intern Centre for Language Engineering, Khwarizmi Institute of Computer Science, Lahore.	July – September 2018

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 Master's Thesis Advisor: Murtaza Taj	September 2020 – May 2021
Urdu Handwriting Recognition using Deep Learning Senior Project • https://shehryar-malik.github.io/theses/sp Advisor: Ubaid Ullah Fayyaz	September 2018 – May 2019

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