EHSAN AHMAD KHAN

Web Developer & Machine Learning Engineer

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EXPERIENCE

Deep Learning Intern/Research Assistant
HIGH PERFORMANCE COMPUTING LAB, SEECS, NUST

📅 June 2022 – June 2023

- Collaborated with a two-person team to develop a state of the art deep learning model that utilized ES-dRNN by Slawek Smyl (Meta) as a foundation to improve the short term load forecasting.
- Our work will be published in IEEE format conference paper.

Engineering and Instrumentation Intern
PUNJAB BEVERAGES COMPANY (PVT) LIMITED. PEPSICO INTERNATIONAL FRANCHISE

📅 Aug-Sep 2021

- Did projects on Power Saving, Carbon dioxide (CO_2) yield calculation and Air pressure leakages with data analysis.

PROJECTS

Deep learning for Electric Load Forecasting
Pandas, TensorFlow, Keras, PyTorch, NumPy, Scikit-learn

📅 June 2022 – June 2023

- The data set includes real-world hourly electrical load time series of 35 European countries from the period 2016-2018.
- European countries from the period 2016-2018. The data provides a variety of time series with different properties such as different levels, trends, variance and seasonality.
- The project focuses on building a state of the art model for electric load forecasting as well as for other time series.

The Odin Project
HTML, CSS, JavaScript

📅 March 2023 – Continue

- Designed a webpage of the specific details given.
- The webpage used Flexbox for the design.
- Developed a Rock Paper Scissors game using JavaScript.

NASDAQ Stocks Prediction using Dual Attention Deep Learning
Pandas, TensorFlow, Keras, PyTorch, NumPy, Scikit-learn

📅 June 2022 – June 2023

- The objective of this project is to develop a state of the art model for financial stocks prediction using NASDAQ 100 dataset.
- Collaborated with a two-person team to further improve the accuracy of the model and its parameters tuning.

EDUCATION

Bachelor of Electrical Engineering
National University of Sciences and Technology Islamabad

📅 Sept 2019 – June 2023   CGPA : 3.06

FSc. Pre-Engineering
Government College University (GCU) Lahore

📅 Sept 2017 – May 2019   Per : 91.7%

SKILLS

`C/C++` `Python` `Machine learning`
`HTML` `CSS` `SQL` `JavaScript`
`Time Series Forecasting`
`Microsoft Office` `MATLAB`
`TensorFlow, Keras, PyTorch`

ACHIEVEMENTS

- Merit and Need Based Scholarship – Punjab Educational Endowment Fund 2017
- Laptop Award – Chief Minister Punjab Laptop Scheme for High Achievers 2018

PARTICIPATION

- Assistant Team Lead Admin Events - NUST Cyber Security Club   2019
- Deputy Director Endowment Fund - NUST Student Forum SEECS Chapter 2017
- Coordinator - Ravians Quiz Society GCU Lahore   2015

CERTIFICATION

- Deep Learning Specialization - Coursera
- Machine Learning Specialization - Coursera
- Python Data Structures - University of Michigan
- Introduction to Artificial Intelligence by IBM
- MATLAB Onramp by MathWorks