Muhammad Waasif Nadeem

Date of birth: 17/10/1998

Nationality: Pakistani

Gender: Male

CONTACT

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WORK EXPERIENCE

07/06/2021 – 15/02/2022 – Lahore, Pakistan

Junior Data Scientist

Afiniti Software Solutions

I worked on our client, Telecom Italia. I used Statistical Modeling Strategies and Machine Learning Algorithms to analyze the customers at individual level and as groups of different types and expectations. The agents' behavior was analyzed with respect to different scenarios. Optimal agents and customer segmentations were then achieved, and a strategy was devised for the successful uplifting of sales and customer satisfaction on caring queues. After that design and implementation of machine learning algorithms was done for determining the optimal fit between callers and agents for optimizing the targeted metric. I was responsible for modeling such behaviors with a team of six members.

01/02/2021 – CURRENT – Lahore, Pakistan

University research assistant

Lahore University of Management Sciences

I work as a research assistant with the Department of Mathematics at my university. I worked with Physics Informed Neural Networks and Numerical Gaussian Process to generate an efficient way to solve PDEs related to boat navigation. Classically, numerical schemes are used for solving PDEs but they are computationally expensive which makes it almost impossible to be used in a rapidly changing system. We wanted to estimate the changing water flow for the Bedian canal in Lahore, for which the electrical engineering department of LUMS provided us with the data from sensors. That data determined the initial conditions for our problem and hence, using that, I built a Physics informed neural network that trained the network by learning the Physics of shallow water wave equation. This project took me to Technical University Kaiserslautern (Germany), where I did a research internship for two months.

01/09/2019 – 31/12/2020 – Lahore, Pakistan

University teaching assistant

Lahore University of Management Sciences

I worked as a teaching assistant for the following courses

1. Calculus 2 (Fall 19-20)
2. Introduction to Analysis 1 (Spring 20)
3. Introduction to Differential Equations (Summer 20)
4. Calculus 2 [Head TA] (Fall 20-21)

EDUCATION AND TRAINING

09/2017 – 06/2021 – LUMS, DHA, Lahore Cantt, Lahore, Pakistan

Bachelors of Science

Lahore University of Management Sciences

www.lums.edu.pk

LANGUAGE SKILLS

MOTHER TONGUE(S): Urdu

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C2	C2	C2	C2	C2

DIGITAL SKILLS

Programming Languages

Programming: Python programming and MATLAB / R / C++

Databases

MySQL / GreenPlumDB

Others

Goal programming / Microsoft Excel