

ASJAD SOHAIL

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OBJECTIVE

As a person who believes in hard work, I am a machine learning enthusiast and a self-driven individual. During my undergraduate and graduate studies, I have learned new technologies and developed several projects, encompassing different domains, from games to NLP. This is an indicator of my passion and motivation to explore new horizons and tackle challenges in pursuing perfection.

EDUCATION

- **University of Paderborn, Germany** in Computer Science (Major: Data and Intelligence) (Masters, April 2018)
- **NEDUET**, Karachi in Computer Engineering (Bachelors, January 2013)

MOOCS

- Machine Learning by Stanford University from Coursera.
- Self Driving Car Engineer by Udemy.
- Deeplearning.ai from Coursera

SKILLS

Programming Languages:

Python, Java, Golang, JavaScript

Frameworks:

Angular, NLTK, TensorFlow, React Native, OpenAI Gym, Docker, Kubernetes, MLops, PyTorch

Databases:

MongoDB, MySQL, RDF(SPARQL)

HOBBIES

- Football, Video Games, Badminton

EXPERIENCE

June 2018 – May 2020

Research & Innovation – **Software Engineer** • Diebold Nixdorf

December 2016 – February 2018

Research & Development – **Software Engineer** • Gaditek

January 2016 – December 2016

Research Student • High Performance Computing Centre

PUBLICATION

Optimizing Big Data Processing using Software Defined Networking in **International Journal for Computer Science and Network Security**. [Vol. 19 No. 5 pp. 113-117, 2019]

PROJECTS

- **Optimizing Big Data Processing Using SDN** – Bachelor's FYP Optimizing packet execution time and network traffic using SDN.
- **Fact Checker** - A fact engine that returns true or false given a fact from DBpedia.
- **Intelligent Data Assistant (Chatbot)** – Group project which provided natural language-based interface for data science workflows. The datasets uploaded had their relationships shown in OWL.
- **Recommender System** – A system that gives user recommendation based on their likeness of the series w.r.t genres.
- **Acidic 2D** – An android game where alien cats are to be shot down using different ammos for each.
- **Robot Navigation in a Cluttered Environment using RL** – Using reinforcement learning techniques for autonomous robot navigation with the help of ROS, TensorFlow, Keras and OpenAI.