

# MUSA DILDAR AHMED CHEEMA

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## EDUCATION

### NUCES FAST

BACHELORS IN DATA SCIENCE

Islamabad, Pakistan

GPA: 3.3

### STANFORD UNIVERSITY

SUMMER SESSION, 2022

- Mining Culture Through Text Data:

Introduction to Social Data Science

SOC128D GRADE A

- Machine Learning CS-229

. GRADE A-

## COURSEWORK

### UNDERGRADUATE

Machine Learning

Artificial Intelligence

Data Analysis and Visualization

Natural Language and Processing

Data Mining

Big Data

DevOps

## SKILLS

### PROGRAMMING

Python

C++

Javascript

Java

Dart

### TOOL & STACKS

Flutter

MERN

Hadoop

Spark

Kafka

Docker

### CLOUD

AWS

AZURE

## RESPONSIBILITY

### NUCES FAST - ISLAMABAD

TEACHING ASSISTANT

Feb 2022 – June 2022

Big Data

Aug 2022 – December 2022

Programming Fundamentals

## ACHIEVEMENTS

Bronze Medal and Dean's List Holder

## EXPERIENCE

### ALPLAAR CONSULTING | PART TIME

Aug 2020 – Feb 2022 | Developer

- Developed MVP (Android and IOS) for a startup. Developed all the schema and technologies for the functionality of the app.

Feb 2022 – Current | Data Scientist

- Developed Admin portal for producing reports based on sales, request for year, month and day, and different payment completion modules.

## PROJECT

### DOCIGIZE (FYP)

Pytorch, Transformers(TROCR), LSTM, FLASK, PIL, MongoDB, ReactJS, Flutter

- Created a Bilingual text extraction module and store it in a structured format. We used medical prescriptions as our case study

### MEME ANALYSIS DEEP LEARNING

Pytorch, PIL, DataLoader Python

- Created Multi Label Multi Class Prediction model is made using Pytorch Neural Networks. The Inputs for the Neural Networks are Text and Image.

### DIABETIC RETINOPATHY CLASSIFICATION

Pytorch, OpenCV, Sklearn Python

- Classified Diabetic Retinopathy using image segmentation in k-means and Classified the segmented images using Pytorch neural networks.

### DBLP HADOOP

Hadoop, MongoDB Python

- Parsed DBLP XML using Python and extracting meaningful data using Hadoop Map Reduce and MongoDB.

### GOOGLE MAPS WEB SCRAPPING

Bs4, Selenium, Multi threading, MongoDB Python

- Mined Data "n" number of routes depending upon the Internet Speed and number of cores in the machine from google maps.

### SELF DRIVING CAR Microsoft AirSim, Sklearn, OpenCV, Pandas Python

- Developed Reinforcement Learning Behavioural Cloning for self Driving car in Microsoft Airsim as an Virtual environment.

## RESEARCH

### KNOWLEDGE DISCOVERY AND DATA SCIENCE LAB | RESEARCH

ASSISTANT

Mar 2021 – Aug 2022 | NUCES FAST, Islamabad

Worked with Dr. Kifayat Ullah and Dr. Shujaat Hussain

An Efficient Algorithm for Ranking Candidates in E-Recruitment System 16th

IMCOM, 2022

Feature-Wise Ranking of Candidates through Maximum Degrees in Hidden

Bipartite Graphs 16th IMCOM, 2022

### NATURAL LANGUAGE PROCESSING | STUDENT

Feb 2022 – June 2022 | NUCES FAST, Islamabad

Worked with Dr. Omer Baig

Transformer based Urdu Handwritten Text Optical Character Reader 2022

arXiv:2206.04575