

# MUHAMMAD SULAIMAN NADEEM

## Contact

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## Experience

### ● RESEARCH INTERN - DEEP LEARNING

ASP LAB - NUST, Islamabad - 2020

Worked on creating a real-time facial recognition system using a unique and novel strategy. The system was to be deployed on an EDGE device (Google Coral). This was achieved by using state-of-the-art algorithms which provided low latency and a maximum possible accuracy.

## Education

### ● BACHELORS - ELECTRICAL ENGINEERING

NATIONAL UNIVERSITY OF SCIENCES AND TECHNOLOGY, Islamabad | 2017 - 2021

CGPA: 3.69/4

**Key Courses:** Object Oriented Programming, Embedded System Design, Microprocessor Systems, Machine Learning, Communication Skills, Digital Image Processing, Technical Writing, Digital Logic Design, and Data Structures and Algorithms.

## Projects

2020-2021

### REAL TIME INTERNET TRAFFIC CONTROL AND MONITORING (FINAL YEAR PROJECT)

The target of this project was to develop greater control over internet traffic and achieve smart bandwidth allocation schemes using Machine Learning and Deep Packet Inspection. This would allow users to have an optimal experience in terms of fair resource allocation.

2020

### TWITTER SENTIMENT ANALYSIS

A deep learning model was able created to classify the sentiment within the tweets made by people as either "negative" or "positive", being trained with 1.6 million tweets.

<https://github.com/sunnad99/twitter-sentiment-analysis>

2021

### ANALYSIS OF VIDEO GAME SALES

This aim of this project was to determine what defines a great game. This was achieved by analyzing the sales for every genre, publisher, region as well as platforms.

<https://github.com/sunnad99/analysing-video-game-sales>

## Extracurricular Activities

### DSC (Developers Student Club - NUST) - AI Core Team Member

Worked towards educating people (through workshops) and providing help for projects which utilized AI.

### Project Insaniyat

Helped by taking donations within NUST from hostelites to pay for toys for children with cerebral palsy.

## Key Skills

### Technical Skills:

Python, C++, MATLAB, Object Oriented Design, Data Analytics, Deep Learning, Model Deployment, Pytorch, MySQL

### Communication Skills:

Oral, Written, Listening, and Presentation