

# SYED MUHAMMAD MURTAZA

## Computer Engineer

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syedmurtazali

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## EXPERIENCE

### Trainee Engineer (Full Time)

#### Xolva (Pvt.) Ltd.

June 2021 – Ongoing

Karachi, Pakistan

- Provided support and development in JMS (Journals Management System).
- Responsible for managing the databases.
- Worked on PHP, MySQL, HTML, CSS, Java Script (jQuery, Ajax).

### Data Science and Business Analytics (Internship)

#### The Sparks Foundation

July 2021 – August 2021

Remote

- Performed several machine learning and data analysis tasks.
- Learnt various concepts like Decision Tree algorithm, Supervised and Unsupervised learning, Data analysis and visualization techniques.

### Back End Developer (Internship)

#### Xolva (Pvt.) Ltd.

October 2020 – November 2020

Karachi, Pakistan

- Learnt basics of HTML, CSS, Java Script, Php, Python.

### Research Intern

#### MERL-UIT

November 2019 – March 2020

Karachi, Pakistan

- Learned the basics of RISC-V ISA as a student intern at MERL UIT while building 5 Staged Pipeline Single Cycle Core on Scala(Chisel).

## PROJECTS

### Dental Cavity Detection System

A Deep Learning based system that takes a dental x-ray as input and detect the cavity in it.

- syedmurtazali/Dental-Cavity-Detection

### 5-Stage Pipelined Single Cycle Core

A RISC-V ISA based processor, designed using Scala(Chisel).

- syedmurtazali/Pipelined-Processor

### Water-Level Indicator using Python

A system designed on Raspberry-Pi that takes the water level as input and plots the graph and auto correlation of the graph.

- syedmurtazali/Water-Level-Indicator-Python

### Face and Facial Feature Detection using MATLAB

A GUI based system that detects face, eyes, nose and upper body of a human.

- syedmurtazali/GUI-Based-Face-Detection-Matlab

## EDUCATION

### B.E. in Computer Systems Engineering

#### Usman Institute of Technology (UIT-NED)

2017 – 2021

Karachi, Pakistan

CGPA: 3.61

### Pre-Engineering

#### Govt. Degree Boys College - Gulistan-e-Johar

2014-2017

Karachi, Pakistan

### Matriculation

#### Merit'n'Merit School

2013-2014

Karachi, Pakistan


## SKILLS




## CERTIFICATIONS

- Python (Kaggle & Udemy)
- Introduction to Machine Learning (Kaggle)
- Intermediate Machine Learning (Kaggle)
- 5 month Data Science Course, in progress (Frontier Technology Institute)
- Computer Vision (Udemy)

## MOST PROUD OF

 **NGIRI FYP Funding**  
Final Year Project "DENTAL CAVITY DETECTION SYSTEM" got selected for NGIRI FYP Funding.

 **#66DaysOfData**  
Gained a lot of knowledge regarding Data Science, Analytics, Databases and AI.