

# MUHAMMAD ADIL SARKI

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## SUMMARY

- A distinguished professional with more than 2 years of experience in Data Science with hands on analysing large data sets and coming with data driven insights. Worked with teams of 6-8 team members.
- Core competencies in Data annotation, Data wrangling, Data visualisation, Automating process, Machine learning, Deep learning algorithms.

## EDUCATION

- **Bachelor of Engineering** - Computer System Engineering from Dawood University of Engineering and Technology (DUET), Pakistan.  
Karachi [2017-2020] CGPA: 3.88(1st Position).
- **Intermediate (Pre-Engineering)**, Govt Degree College Malir Cantt  
September 2013 - May 2015. Percentage 73.83%.
- **Matriculation Board** BSEK May 2011- 2013. Percentage 83.23%

## CERTIFICATION

- **Android App Development** from Advance Technical Training Center.
- Presidential Initiative for **Artificial Intelligence & Computing** (PIAIC) For AI.
- Python for **Machine learning** from Coursera

## SKILLS

<b>Languages</b>	C/C++ (BASIC), Java, Python.
<b>libraries</b>	Pandas, NumPy, Matplotlib, beautiful-soup, scrapy, Scikit-learn, seaborn, tensor-flow, Keras.
<b>Tools</b>	NetBeans, Anaconda, VS Code, Power BI, PyCharm
<b>Frameworks</b>	Py-torch, Django, flask.
<b>Database</b>	MySQL, SQLite.
<b>ML and DL Models</b>	Regression, ARMA and ARIMA time series model, 3D object detection I,e OpenNet2.
<b>Version Control</b>	Git
<b>Operating System</b>	Robotic operating System, Linux
<b>Project Management</b>	Agile process i.e., Redmine
<b>Storage</b>	NAS

## Experience

### **Covlov.ai as Jnr Data Scientist**

(27 Jan 2022 – Present)

- Performed Lidar data annotation for vehicle and lane both.
- Manual Quality Control of annotated data.
- Developed perception tools between various annotators.
- Developed automated quality control tools using master to slave concept.
- Blooming data annotating on Robot Operating System (ROS) to enhance the quality of **NEXT** sensor.
- Currently, working on Object detection through machine learning using PointNet2 using different algorithms like PV-RCNN, Second.

### **PSO Mentorship Program IT Department as Data Scientist**

(4 May 2021 – 26 Jan 2022)

#### **Project I Dispenser Unit Automation**

- Manage a team of 5 people for this project. Also have meeting with them to discuss potential situations for the project.
- Maintaining and updating Database for Dispenser units.
- Tackling Data Wrangling issues in order to normalize the data for analysis.
- Statistical analysis and visualization of the data to determine the anomalies, trends and summarizing the details with useful insights for decision making.
- Carry out review of results and accomplishment of project post implementation based on data.
- This project manages to keep a close eye on gas stations while eliminating close to 80% of the gasoline stockpile. It made it possible to alter fuel pricing online rather than at the pump.

#### **Project II RFID based Queue Management System (QMS)**

- Logic Design of RFID based smart Queue Management System.
- Testing and Deployment of QMS using radio frequency tags implemented on vehicles.
- Carrying out the performance review of QMS using Statistical analysis.

### **Aptech Computer Education**

(28 Jan 2021- March 7)

#### **Delivered theoretical & practical knowledge of Programming.**

- To grasp the basics of how a programming language functions, procedural, functional, and logical programming languages are taught thru C programming.
- C# was used to implement object-oriented programming in order to better comprehend code reuse and data privacy.
- Taught SQL Server database skills, including how to update and maintain databases.

**References can be furnished upon request.**