

Sundus Aijaz

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PROFESSIONAL EXPERIENCE

Software Engineer, *Lyfttrondata*

10/2021 – present

Karachi, Pakistan

- Proficient in various source APIs and target databases, enhancing ETL versatility with SQL and Spark.
- Designed scalable databases for ETL using SQL, Spark, and in-depth knowledge of source APIs and target databases.
- Evaluated diverse data pipelines with expertise in source APIs and target databases.
- Ensured rigorous unit testing and seamless integration while adapting to unique API and database requirements.
- Engaged collaboratively in an agile environment, aligning with stakeholders' needs using diverse API and database expertise.

Python Developer, *Evap*

07/2021 – 10/2021

Karachi, Pakistan

- Proficiently scraped data from electric car rental websites using Scrapy.
- Integrated OCPP into Django for electric vehicle management system communication.
- Managed MongoDB and PostgreSQL databases for versatile data handling.
- Collaborated effectively with cross-functional teams to meet project goals.
- Kept up-to-date with evolving technologies for continuous improvement.

AI Engineer, *Xehen.ai*

07/2020 – 05/2021

Karachi, Pakistan

- Developed a school attendance system using Dlib facial recognition library and ensemble learning techniques, including KNN, CNN, VGG, SVM, and RF.
- Implemented a 96-dog breed classification system using landmarks detection and YOLOv3 for precise breed identification.
- Conducted web data scraping from diverse websites such as Avanade, L'Oréal, 3M, Deloitte, and more, utilizing BeautifulSoup and Selenium for data retrieval.

EDUCATION

MS in Data Science, *Freie Universität Berlin*

present

Berlin, Germany

Bachelors in Software Engineering, *Sir Syed University of Engineering and Technology*

2017 – 2021

Karachi, Pakistan

- Silver Medalist in the SE department

Intermediate in Pre-Engineering, *Khatoon-e-Pakistan G.G.D.C*

2014 – 2016

Karachi, Pakistan

PROJECTS

Traffic Engineering Analysis

- The main goal of this project is to analyze of speed of vehicles using Vehicles Detection(YoloV3) and Lanes Segmentation(Yolov7) to identify their speeds individually. And deploying on AWS Ec2 with Flask BackEnd.

Cow Emotion Detection

- Posture Analysis of Cows using DeepLabCut Deep Learning model and detection of Emotion either Sad or Happy through Support Vector Machine.

Face Detection and Tracking

- Detection of faces using Dlib and MTCNN and tracking of faces using OCSORT algorithm.

ML Models Optimization

- Multi-Class Classification through RandomForest and using Grid SearchCV to optimize model's performance.

Cyber Attack Prediction

- Binary-Class Classification using ML Models optimization through GridSearchCV and 1DCNN model.

Demand's Prediction

- Worked on a Hotel's demand prediction project including MLOps

Dissertation

- Dissertation on Mcdonald's e-reputation prediction

SKILLS

ML Frameworks and Libraries:

*TensorFlow, Keras, Sklearn, Nltk,
Numpy, Pandas, Matplotlib,
Seaborn, PowerBI, Tableau*

Web Scrapping

BeautifulSoup, Scrapy, Selenium

Data Visualization

*Matplotlib, Seaborn, PowerBI,
Tableau*

Big Data Technologies

Spark, Kafka, Airflow

CERTIFICATES

- Presidential Initiative for Artificial Intelligence and Computing (PIAIC)
- Microsoft (Introduction to Python)
- Tensorflow Certification