

Muhammad Mustafa Ali Usmani

A passionate problem solver inclined towards Data and Software Engineering

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EXPERIENCE

SIR CONSULTANTS (PVT.) LTD (SHMA CONSULTING DMCC) | ASSOCIATE DEVELOPER

August 2021- Present | Karachi, Pakistan

- Developing **Python**-based models and **business intelligence dashboards** using Excel-based prototype models, Preparing data automation algorithms for development and maintenance of database and to apply **predictive analytics**, machine learning techniques to **big data**

FREE LANCING | SOFTWARE MANAGER AND DEVELOPER

December 2020- Current | Karachi, Pakistan

- Managed and developed projects for with multiple International and Local Clients.
- Deep Learning, Computer Vision, Data Sciences, Machine Learning and Web and App development are the domains that I work in.
- I have a firm grip over tensorflow, pytorch, open cv, R, Angular & React Native

SKYNNERS (PVT.)LTD | WEB DEVELOPMENT INTERN

December 2020- March 2021 | Karachi, Pakistan

- Analyzed user requirements and developed software applications using **React Native, Angular, PHP** and **SQL** to meet industry standards

FAST-NUCES | TEACHER ASSISTANT (DEEP LEARNING PARALLEL AND DISTRIBUTED COMPUTATION)

February 2021-Current| Karachi, Pakistan

- Teaching and assessing student's assignments, quizzes and projects to check quality and completeness for grading.

PROJECTS

FINAL YEAR PROJECT- OMNISCIENT

- Developing Deep Learning Models for **Violence, Bomb Identification** and **Weapon Detection** with **Person Identification** in **Real-time** using **light weight models** (Tensorflow Lite) to improve Surveillance using **C++** and **Python** to deploy them on **Nvidia Jetson** an connecting to softwares (**QT React Native**) to make AI portable, efficient and swift.

SCAN AND LEARN

- Lead and developed an **offline mobile app** on flutter for UAE government that detects local sites and objects using **light weight tensorflow** model and **open cv**. The purpose of the app is to make Arabic easy to learn and deplete the communication gap between tourists and locals.

SMART RESUME SCREENING

- Developed a end to end AI-based system to screen the incoming resumes. Website was built on **Angular** with **Amazon Web Services** integrated, **Word2vec**, **tf-idf** and **Support vector machine** were used for the model.

RETRIEVAL OF DASHBOARDS VIA CHAT-BOT

- Developed a Chat-Bot on **WhatsApp** to retrieve of dashboards of different companies using voice messages. The software was built using models for **NLP** implemented in **Tensorflow**

EDUCATION

NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES(FAST)

BS IN COMPUTER SCIENCE

August 2018 - June 2022 (Expected) | Karachi, Pakistan

Cum. GPA: **3.15/4.0**

Dean's List: Semester 4 and 5

SKILLS

PROGRAMMING

Proficient:

•C++ • R • Python •SQL •IAT_EX

Familiar:

•Java •Typescript

FRAMEWORKS

•QT •React Native •Angular •Wordpress

•Hadoop

AWS

•Sagemaker •S3 •Lambda •API Gateway

TOOLS & PLATFORMS

•Git •R Markdown •R Shiny •JIRA •JSON

Shell •Postman

CO-CURRICULAR ACTIVITY

ACM | PRESIDENT

2022 | Karachi, Pakistan

AWS BUILDON PAKISTAN | WINNER

2021 | Pakistan

REMOTEBASE HACKFEST | TRACK WINNER

2021 | Pakistan

MAKE SPACE HACKATHON | TOP 5

2021 | Pakistan

TEACH ONLINE | GUEST SPEAKER

2020 | Pakistan

COURSES

•Data Science Specialization in R - Johns Hopkins University

•Deep Learning Specialization – deeplearning.ai

•Presidential Initiative for Artificial Intelligence Computing(Fourth Quarter)

•Sequences, Time Series and Prediction – deeplearning.ai

•Natural Language Processing with Attention Models– deeplearning.ai

•Python for Everybody Specialization - University of Michigan

•SQL for Data Science-UC, Davis