

Mohammad Ali Khan

B.tech (COMPUTER SCIENCE & ENGINEERING)

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WORK EXPERIENCE

Data Science Intern Nuclei Technologies

07/2020 - 07/2020

Mumbai (M.H)

Achievements/Tasks

- Worked very closely with development team & performed data visualization, translating complex data sets into comprehensive visual representations.
- Developed Machine Learning Model to predict sales based on the location of the product in a store.
- Performed tests of prototypes and final product and exported the model for further use.
- Learnt new techniques for data visualization and about different methods for testing of deployment level model.

PROJECTS

Spatial clustering of soil moisture behavior patterns.

- It was a Research Project collaboration with *Skolkovo* Institute of Science and Technology. Found the major causes of similarities in the behaviour of soil moisture between geographically distant regions with the given time series data and find out if the clusters are stable or if they change with time and analyzed the relationships between the influencing factors.

Object Localization for self-driving car

- Implemented methods and of Deep Learning for motion planning of self-driving car through Object localization. Used Various Deep Learning Methods like CNN, RNN, Autoencoder-Decoder, RCNN etc.

Hand Gesture Controlled Robotic Arm

- Built a Hand Gesture controlled robotic Arm that can be used by physically challenged people or can be used in various other ways. Used Arduino uno as a controller. Flex band sensor to obtained the bend data from hand and used a gyroscope to capture positional data of another hand.

Skin Cancer Classifier using CNN

- Skin cancer classification using Deep Learning Algorithm like CNN R-CNN for image segmentation. Used transfer learning method for better performance. Used ResNext architecture with 3 layers weight update. Achieved Validation accuracy of 92%.

Big-Mart Sales Prediction and Analysis

- Performed task like Data cleaning , Exploratory Data Analysis, Feature Engineering and model building. used various Machine Learning Algorithms.

EDUCATION

B.tech in Computer Science & Engineering SRM Institute Of Science And Technology

07/2018 - 05/2022

CGPA-7.8

SKILLS

Machine Learning & AI

Linux

Git

flask

Data structure & Algorithm

PyTorch

SciKit learn

PROGRAMMING LANGUAGE

Python C/C++

HTML/CSS (Basics) R (Intermediate)

CERTIFICATIONS & ACHIEVEMENT

Visual Perception for Self-Driving Cars

Credential ID :- Q2WZQgYGMDSC

Deep Learning

[One Fourth Labs & GUVI](#)

JP Morgan & Chase Virtual Internship

SRM-IET Hackathon (7th Position in Healthcare)

Incubate India Hackathon (8th Position)

Valeo-SRM Hackathon- Organiser

Top 7% in Kaggle Titanic Dataset Competition

Best Innovative Idea in UC Berkeley & Sutardja Center Entrepreneurship and Technology startup program.

University of California Bruin MUN

COMMUNITY

Active participant and volunteer at Lean Six Sigma Community SRM IST

Active participant and volunteer at GDG Indore

PROGRAMMING LANGUAGES

Python



C / C++



R



HTML / CSS

