

MUHAMMAD HUSSAIN KHAN

CERTIFIED AI ENGINEER | MACHINE LEARNING | DEEP LEARNING | DATA ANALYST | PYTHON | SQL | C++ |

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PROFILES

- [linkedin.com/mhussain](https://www.linkedin.com/in/mhussain)
- github.com/iamhussaink
- kaggle.com/iamhusaynk
- public.tableau.com/hussain.khan

CAREER OBJECTIVE

Have gained good exposure to understand various aspects of **Artificial Intelligence Engineer** through Master Program which has developed a great sense of confidence at a very personal level. Hence, I seek a challenging position in the area of **Data Science, Machine Learning, Data Analysis & related fields** where I can share my skills and expand my capabilities further in the pursuit of progressive career advancement.

SUMMARY

AI and Data Analytics professional, specialize in Python visualization libraries, Power BI, with expertise in data modeling, machine learning algorithm, deep learning network and SQL. Skilled in python and C++ programming

CERTIFICATION

1. Masters Program - Artificial Intelligence Engineer : Simplilearn Certified in collaboration with IBM - 2023

- Introduction to AI
- Data Science with Python
- Machine Learning
- Deep Learning with Keras & TensorFlow
- Advanced Deep Learning & Computer Vision
- Natural Languages Processing
- AI Capstone
- Power BI
- Business Analytics with Excel

2. Other Certifications

- C++ From Tutredude
- Data Learning Essentials from IBM
- Machine Learning from Guvi

RELEVANT EXPERIENCE/INTERNSHIP/TRAINING

Intern / Unified Mentor Private Ltd. - India

02/2024- 03/2024

- In Depth Research as a Data Analyst intern.
- Project on dashboard using tableau

Intern / TCR Innovation - India

08/2022- 10/2022

- In Depth Research in ML Algorithm.
- Introduction to Deep Learning and Reinforcement learning
- Introduction to SQL
- Project on Urban Sound Classification using ML and Deep learning Algorithm:
- Dataset which is used is UrbanSound8k, which is available in kaggle as well as on other websites. This dataset contains 8732 labeled sound from 10 classes. K nearest neighbors, Random Forest, Extra Tree Classifier, Support Vector Classifier, XGboost Classifier, Voting Classifier, Stacking Classifier

OTHER EXPERIENCE

Site Engineer / DM REALTORS- Mumbai

08/2018- 11/2021

Quantity Engineer / Arise Enterprises – Mumbai, India

11/2021 - 08/2023

Site Engineer / Sahyog Homes Pvt Ltd.– Mumbai, India

08/2023 – 8/2024

PROJECTS

PROJECT ON BUSINESS INTELLIGENCE AND DATA ANALYTICS

1. Analyzing Zomato's data using Power Bi

- Data manipulation and reporting using Power Bi (like creating columns, splitting etc). reporting based on country, city. Reporting top restaurant based on average ratings.

2. Analyzing and Creating a dashboard for Amazon

- In depth research of sales of items based on category, region.

3. Analyzing Foreign Direct Investment Using Tableau

Created a dashboard for different sector's investment by foreign investor.

4. Financial analytics using Tableau.

- Examining different charts for different company for their market capital and sales and creating a dashboard for the same

5. Customer Service Requests Analysis.

- Analysis of different variables followed by different plots in jupyter notebook.

PROJECT ON MACHINE LEARNING, DATA SCIENCE AND DEEP LEARNING

1. Q/A Chat Model Using Unstructured URL

I have used GooglePalm which is an opensource model. to use GooglePalm you must have an API Key which you can get from aistudio.google.com i have loaded the url using unstructured url loader then converted it into chunks, then storing it in the vector form using GooglePalm embeddings and then finally indexing it using FAISS

2. Conversational Chat Application with Streamlit

Again I have used GooglePalm with custom chat history. I have used streamlit to make the conversation interface.

3. Object detection(traffic sign board)

The object detection was performed using YOLO

4. MRI Brain Tumor Classification

Datasets contain 4 classes of MRI scan i.e 'glioma', 'meningioma', 'notumor' and 'pituitary' in jpg format. The jpg format was reshaped and converted to numpy array. Classification was done by using KNN, Decision Tree and Random Forest Classifier

5. E-commerce AI Capstone project (sentiment analysis).

Amazon dataset was analyzed and the review was processed using NLP, I used various machine learning algorithm and deep learning network

6. Spam SMS Filtering

- Datasets contain two class of labeled data i.e spam and ham. Given text was transformed by removing english stopwords, punctuation and numbers, Stemming was used to reduce the word to root words, later Tfidf vectorizer from sklearn. Feature_extraction.text was used and converted to array to train the model. Algorithms which are used to train the model are GaussianNB, MultinomialNB, BernoulliNB, Decision Tree Classifier, K Neighbors Classifier, Random Forest Classifier, Logistic Regression, Support Vector Classifier.

7. URBAN SOUND CLASSIFICATION.

- Sound Classification using machine learning algorithm and simple ANN

8. Pet Classification Model Using CNN.

EDUCATION

MSC: MATHEMATICS(Online Mode)

pursuing

Sathyabama Institute Of Science and Technology- Deemed University

B.E: Civil Engineering

2018

Rizvi College Of Engineering - Mumbai University | CGPA: 7.75

12th, AV Patel Junior College - Percentage: 70.31% 2014

10th, Anjuman- I-Islam High School- Percentage: 82.91%

2012

TECHNICAL SKILLS

- Machine learning
- Python
- Deep Learning
- Langchain
- Streamlit
- HuggingFace
- C++
- Data science
- Numpy
- YOLO
- Scipy
- Pandas
- Sklearn, Matplotlib
- NLP
- SQL, MySql
- Tableau
- Statistics
- Power Bi
- Excel