

# MOHAMMED SHA HUSSAIN KHAN

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MADURAI, TAMIL NADU

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## PROFESSIONAL SUMMARY

**Results-driven Data Science graduate** with expertise in **Python, SQL, Power BI, and machine learning**. Experienced in **EDA, predictive modeling, and data visualization** using tools like **Streamlit, Tableau, and Google Colab**. Built **real-time dashboards, recommendation systems, and CLV prediction models**. Passionate about leveraging **data analytics** to drive **business insights** and support **data-driven decision-making**.

## EDUCATION

**KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION, KRISHNANKOIL** — *M.Sc. DATA SCIENCE* [2023 – 2025]

**MANNAR THIRUMALAI NAICKER COLLEGE, MADURAI** — *B.C.A BACHELOR OF COMPUTER APPLICATION* [2020 -2023]

## PROJECTS

**Harnessing Local Small Vendors with a Data-Driven Recommendation System**  
*Foodans* - Developed a web application with a machine learning-based recommendation system using **KNN, Streamlit, and Power BI** to enhance small food vendor visibility and enable real-time data-driven insights.

**REAL-TIME WEATHER FORECASTING IN IOT**- Built a weather forecasting system using **LSTM** and **Random Forest** models, processing data from sensors like **BMP180, DHT11**, and **raindrop** sensor in **Google Colab** for accurate predictions.

**TEXT TO SPEECH CONVERTER IN NLP**- Created a Text-to-Speech converter in **Python** using **gTTS**, supporting **English and Tamil** languages, with adjustable speech speed, aimed at helping visually impaired users and language learners.

## INDUSTRY EXPERIENCE

**Tata Consultancy Services – Data Visualization Virtual Internship-**  
*Forage Simulation*

Completed a business simulation specializing in **data visualization** and **communication**, where I designed and developed **dashboards** and **visual presentations** to support **executive decision-making**. Utilized expertise in **data analysis, data cleaning, and data storytelling** to provide actionable insights and effectively communicated findings to mock **client leadership** in a business context.

## SKILLS

Data Analysis, Data Cleanup & Preprocessing  
Exploratory Data Analysis (EDA)  
Data Visualization, Dashboard Creation, Charts, Graphs Design  
Presentation, Statistical Analysis  
  
Machine Learning & Model Building  
Deep Learning & Neural Networks  
Effective Communication & Reporting  
Analytics & Business Insights

## TOOLS

Python (Pandas, NumPy, Scikit-learn) & R  
SQL & Microsoft Excel  
Power BI & Tableau  
Google Colab & Jupyter Notebooks  
SEO & Social Media Marketing

## CERTIFICATION

**Master Data Analysis Course (Udemy)** – Gained expertise in **Python, Statistics, EDA, Feature Engineering, Power BI, Tableau** and **SQL Server**.

## LANGUAGES

Tamil, English, Hindi, Urdu