



# SADIQ ALI H

## Artificial Intelligence |

## Data Science

### SUMMARY

MCA graduate specializing in Artificial Intelligence & Data Science, with strong expertise in Machine Learning, Deep Learning, and Generative AI. Proficient in Python, SQL, and end-to-end ML pipelines covering data preprocessing, model building, optimization, deployment, and visualization. Skilled in LLMs, RAG, LangChain, AutoGen, and Cloud Platforms (AWS, GCP), with the ability to design and deploy scalable AI-driven business solutions that enhance decision-making and efficiency.

### EDUCATION

**Master of Computer Applications (MCA)**

Sree Saraswathy Thyagaraja College | 2022 – 2024  
CGPA: 7.1

**Bachelor of Science in Computer Science (B.Sc. CS)**

Sree Saraswathy Thyagaraja College | 2019 – 2022  
CGPA: 6.2

### SKILLS

- **Programming & Databases:** Python, SQL
- **Data Science & Analytics:** Exploratory Data Analysis (EDA), Data Cleaning, Data Preprocessing, Feature Engineering, Statistical Analysis, Hypothesis Testing, Data Visualization (Tableau, Power BI, Looker Studio)
- **Machine Learning:** Supervised Learning (Regression, Classification), Unsupervised Learning (Clustering), Hyperparameter Optimization, Feature Selection, Dimensionality Reduction, Cross-Validation
- **Deep Learning:** Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), Long Short-Term Memory (LSTM), Transformers, TensorFlow, Keras, PyTorch, OpenCV
- **Natural Language Processing (NLP) & Generative AI:** Text Preprocessing, Hugging Face Transformers, Large Language Models (LLMs), Generative AI, Retrieval-Augmented Generation (RAG), AI Agents, LangChain, AutoGen, Prompt Engineering, Amazon Bedrock
- **Libraries & Tools:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy, Streamlit
- **Cloud Platforms:** Google Cloud Platform (GCP), Amazon Web Services (AWS – EC2, S3, Lambda, SageMaker, Bedrock)

### CERTIFICATE COURSE

- **Hope Artificial Intelligence Pvt. Ltd. | Coimbatore**  
Artificial Intelligence and Data Science  
2024–2025
- **Forage | July 2025.**  
Tata Group Data Analytics Job Simulation
- **Forage | June 2025**  
Deloitte Australia Data Analytics Job Simulation

### PROJECT EXPERIENCE

Hope Artificial Intelligence Pvt. Ltd. | 2024-2025

**FitBot: AI-Powered Fitness Chatbot**

- **Role:** Developed an intelligent chatbot to provide personalized meal and workout recommendations.
- **Technologies Used:** Python, Flask, Replit, Voiceflow, Large Language Models (LLM), Generative AI, Retrieval-Augmented Generation (RAG)
- **Algorithms:** Applied advanced Natural Language Processing (NLP) techniques, integrated LLMs with RAG pipelines for context-aware and accurate responses, and used generative AI models for dynamic conversational interactions.
- **Outcome:** Delivered an input voice-enabled fitness assistant enabling users to interact via speech and receive customized fitness and nutrition plans in real time.

Check my : [GitHub](#)

**AI Data Analyzer: Intelligent Dashboard with Gemini Agents**

- **Role:** Built an AI-powered dashboard to transform raw datasets into actionable insights, visualizations, and AI-generated summaries.
- **Libraries/Technologies:** Python, Streamlit, Pandas, Scikit-learn, Plotly, Seaborn, Google Gemini LLM
- **Techniques:** Automated data pipelines, preprocessing, label encoding, dynamic charting (bar, donut, boxplot, scatter, heatmap), LLM-based summarization and KPI analysis
- **Key Contributions:** Developed end-to-end pipeline from CSV upload to insights, Created reusable agents for preprocessing and visualization, Designed Power BI–style dashboard in Streamlit, Combined statistics with generative AI for explainable results
- **Outcome:** Delivered a real-time AI analytics dashboard that automates cleaning, generates KPIs, and provides AI-driven explanations to enhance decision-making.

Check my : [GitHub](#)

**Chronic Kidney Disease Prediction**

- **Role:** Developed and implemented a machine learning model to predict chronic kidney disease based on clinical parameters.
- **Libraries:** Python, NumPy, Pandas, Scikit-learn
- **Machine Learning Techniques:** Applied supervised learning with advanced classification techniques. Utilized Gradient Boosting with StandardScaler for feature scaling and optimized hyperparameters using GridSearchCV.
- **Model Performance:** Acquired 100% overall performance. The metrics precision, recall and f1score are also evaluated to validate the model's accuracy.
- **Key Contributions:** Data preprocessing, feature engineering, model selection, hyperparameter tuning, and performance evaluation.
- **Outcome:** Built a highly accurate predictive model for early detection of CKD, aiding in timely medical intervention.

Check my : [GitHub](#)