

SADIQ ALI H


Artificial Intelligence | Data Science

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Coimbatore 

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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. | 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](#)

Hope Artificial Intelligence Pvt. Ltd. | 2024

Heart Attack Prediction

- **Role:** Developed a machine learning model to predict heart attack risk based on clinical data.
- **Libraries:** Python, NumPy, Pandas, Scikit-learn
- **Techniques:** Random Forest Classifier, SelectKBest feature selection, univariate and bivariate analysis, confusion matrix evaluation
- **Key Contributions:** Performed data preprocessing, feature selection, and model training, Analyzed feature distributions and relationships to enhance model reliability, Achieved balanced classification results with consistent confusion matrix scores
- **Outcome:** Delivered a reliable and accurate heart attack prediction model to enable early detection and proactive healthcare planning.

Check my : [GitHub](#)

Hope Artificial Intelligence Pvt. Ltd. | 2024

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](#)