

# THEERDHA SAJIMON

London, England | 07435385694 | [stheerdha99@gmail.com](mailto:stheerdha99@gmail.com)  
[LinkedIn](#) | [GitHub](#)

---

## EDUCATION

**MSc Data Science and Artificial Intelligence, Queen Mary University of London** 2021-2022

- *Project: Comparison of Machine Learning Algorithms on Customer Transaction Dataset:* Comparison of Classification models on a highly imbalanced transaction dataset to identify the customers who would make a particular transaction in the future. Cost-Sensitive learning and Resampling techniques are used for improved results. The overall performance of each algorithm is observed and a superior model and technique are identified.
- *Relevant modules:* Programming for Data Science and AI, Statistics, Data Mining, Machine Learning, Information Retrieval, Deep Learning and Neural Networks, Risk and Decision making.

**BSc Physics, Mahatma Gandhi University Kottayam**

2017 – 2020

- Majored in Physics with Mathematics and Chemistry | GPA: 8.77/10
- *Relevant modules:* Integral and Vector Calculus, Applicable Mathematics, C++ Programming

---

## PROJECT EXPERIENCE

- **Python**  
*K-Means Clustering using Python:* K-Means Clustering algorithm was implemented solely using python and the Iris dataset was successfully classified.
- **Machine Learning**  
*Song Classification Model:* Relevant features from audio files of four different songs were extracted and a classification model that predicts the correct label when given a new audio file was built.
- **Information Retrieval**  
*Design and Development of Semantic Search Engine (Group Project):* Designed and implemented a search engine that can search through a document corpus to provide the relevant results, can also provide more accurate information based on the user feedback.
- **Deep Learning**  
*Sentiment Analysis using RNN:* Sentiment prediction model is built using NLTK and RNN to predict three different sentiments.

---

## COURSES AND CERTIFICATIONS

- Internship Program in Advanced Python from Technovalley Software India Pvt Ltd.
- Attended Mycaptain's Artificial Intelligence workshop.
- Participated in Mycaptain's Data Analytics with Python workshop.

---

## SKILLS

Programming logic, Data Visualization, Exploratory Data Analysis, Data Mining, Statistical Analysis, Machine Learning, Deep Learning, Information Retrieval, Web scrapping

Analytical and problem-solving skills, Strong attention to detail

---

## TOOLS

Python, SQL, NumPy, Pandas, SKlearn, Matplotlib, Seaborn, PyTorch, Power BI, NLTK, AgenaRisk, GitHub

---

## INTERESTS

Drawing, Cooking, Listening to music

---

## LANGUAGES

English, Malayalam, Hindi