




# LOGESHWARAN T

Aspiring Data Scientist with a strong foundation in machine learning and AI. Passionate about using data to drive insights and innovation, seeking opportunities for technical and professional growth. Committed to continuous learning and contributing to impactful projects to solve complex problems and assist in making decisions based on data.

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## EDUCATION

### M.Sc.Data Science

Bharathiar University, Coimbatore

August - 2022 - April 2024 **8.1 cgpa**

### B.Sc. Mathematics

Karpagam Academy of Higher Education,  
Coimbatore

July-2019 - April-2022 **7.97 cgpa**

## INTERSHIPS

### Machine Learning Intern

Mazo Solutions



May- 2023



Remote

### Gen AI and Python Intern

Capdigi Soft Tech



Dec- 23- March-24



Coimbatore

## PROJECTS

### Real-Time Alcohol Presence Tracking and Analysis

March-2023

We used an MQ3 sensor with an Arduino system to gather and monitor alcohol consumption data, which was then processed and analyzed in Power BI. The sensor data allowed us to create dynamic dashboards in Power BI, visualizing the frequency and peak times of alcohol presence.

### Predictive Modeling for Stroke Risk Using

#### Machine Learning

August-2023-Dec-2023

For stroke prediction using machine learning, we utilized a dataset from the Kaggle repository. The project involved data cleaning, visualization, and building predictive models. Through comprehensive analysis and model training, we aimed to accurately predict stroke occurrences and identify key risk factors.

### Automated Marksheet Data Extraction with PaddleOCR and Generative AI

Jan-2024-March-2024  
The project uses PaddleOCR for accurate text extraction from diverse marksheet images and employs Generative AI to interpret key details like names, grades, and subjects. Integration with MongoDB ensures scalable and flexible data management. This system automates marksheet data extraction, enhancing efficiency and accuracy for educational institutions and large organizations.

### AI-Driven Custom Recipe Generation

May-2024

Using Hugging Face, we built a food recipe recommendation system leveraging a pre-trained model. We integrated this with LangChain to enhance the model's capabilities, enabling it to generate and recommend personalized recipes based on user preferences and dietary restrictions.

## TECHNICAL STACK

### Data science / Machine Learning /Deep Learning/ Natural language Processing

Generative AI, Python, Supervised Learning algorithms, Unsupervised Learning algorithms, ANN, CNN LSTM and Data Annotation.

### Mathematics for ML&DL

Algebra, Probability and Statistics

### Python Libraries and Framework

Scikit -Learn, tensorflow, Keras , Pandas ,Numpy, Django, Rag, Langchain, Mlflow, DVC, Git, GitHub, and DagsHub.

### Programming Languages

Python, SQL and NOSQL

### Cloud

AWS Sagemaker

## CERTIFICATIONS

- Generative AI with LLM Models - Coursera
- Machine Learning with Python -Coursera
- Cloud computing - NPTEL course
- Math Presentation - Karpagam University

## SOFT SKILLS

- Problem Solving
- Leadership
- Time Management
- Decision Making
- Team Work

## LANGUAGES KNOWN

- English
- Tamil