Logha Mathivanan

Artificial Intelligence and Data Science
Mepco Schlenk Engineering College

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Objective

Eagerly looking for a challenging role in a reputable organization to utilize my technical and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging

Skills

Technical Skills

- Tools/ Libraries - Power BI, Matlab, Tensorflow, Sckit, Pandas, Keras, Orange, Weka, Excel, Dashboards
- Databases-MySQL, Mongo DB, Cassandra, Neo4j, Postgre
- Operating system - Windows, Linus
- Programming in C/C++,Java,Python,R
- Web Designing languages HTML,CSS,JavaScript,PHP,TypeScript, NodeJS, React, Ruby, React Native

Personal Skills

- Team Skills
- Self-Learning
- Good Stress Management
- Good Communication Skills
- Smart worker

Educational Qualification

B.Tech Aritificial Intelligence And Data Science

Mepco Schlenk Engineering College, Sivakasi — 2024
CGPA-8.07

Higher Secondary

Bharath vidya mandir (CBSE), Ilanji , Tenkasi — 2020
HSLC-80%

High School

Bharath vidya mandir (CBSE), Ilanji , Tenkasi — 2018
SSLC-86.6%

Area of Interest

- Artificial Intelligence and Machine learning
- Data mining and analysis
- Mobile app development
- Cloud computing
- Web Development

Experience

- Dotnet Developer — 2025
  1 Year Experience - OJCommerce, Chennai

  NET developer specializing in website development, backend with gRPC, Vault, Elasticsearch, Google Cloud Logs, and C# console applications using Microsoft libraries. Frontend expertise includes working with the Metronic framework for UI/UX design and development.

Internships	• Internship on **Cloud Computing** under the topic weather prediction analysis **Uniq Technologies, Coimbatore**	2022
	• **Automatic detection** of sentiment from textual comments and feedback – **TCS iON Remote Internship**	2021

Academic Projects	• **Personalized Chatbot using LangChain** A chatbot built using Streamlit for the frontend and LangChain for natural language processing (NLP). The chatbot leverages an LLM-based pipeline to generate responses dynamically. Also the chatbot retrieves information from an SQLite database.	2025
	• **Anomaly detection and Caption generation on real-time video stream** The combination of anomaly detection and video captioning frameworks for end-to-end surveillance applications. UCF-Crime dataset used. Weakly supervised multiple instance learning (MIL) technique for finding anomalies. Encoder-decoder based reinforcement learning framework and GRU model for caption generation for actual video, video captioning	2024
	• **Face Emotion Recognition deep learning system** By using deep neural networks and python frameworks, a emotion recognition system created to detect emotion through computer vision	2023
	• **TamilNadu tourist guiding web application – MERN** Using MongoDB, Express, ReactJS and NodeJS a web application been created to guide tourist visiting TamilNadu and hosted in web.	2023
	• **Online tow vehicle booking system** Using HTML,CSS Bootstrap, php and MySQL a web application been created where nearest mechanic, tow service and workshop can be booked by user and hosted as a website.	2023
	• **Weather analysis prediction using cloud computing** Using HTML,CSS,JAVASCRIPT,DJANGO (Python),Weather API created a website for weather prediction	2022
	• **Automatic music generation using RNN** Using machine learning musical notes been generated using a simple recurrent neural network (RNN). Given a sequence of notes, model will learn to predict the next note in the sequence.	2022
	• **Movie ticket analysis system using NoSQL database** By using modules like MongoDB and Node.js analysis is done based on ticket booked also used HTML, CSS and Javascript	2022

Certifications	• Completed Course on **AI in Microsoft Power BI** Certificate – Trained by Microsoft certified trainer – skillset platform
	• Completed Courses on **Google Data Analytics** Professional Certificate – Coursera
	• **Kaggle** Certified at Machine learning
	• Secured **NPTEL** certification in **Natural Language Processing** during Jan-Apr 2023
	• Secured **NPTEL** certification in **Machine Learning** during Sept-Oct 2022
	• Secured **NPTEL** certification in **Python for data science** during Sept-Oct 2022
	• Secured **VMWare** certification in **Cloud and virtualization concepts** provided by IT Academy Sept 2022
	• Secured **Celonis** certification in Process Automation Bootcamp provided by Celonis Academy Sept 2022
	• Secured **Microsoft** certification in Microsoft Power Platform Fundamentals Sept 2022

- Secured **MATLAB Onramp** certification in MathWorks, Training Services Oct 2021
- Coursera certified on **web development with HTML, CSS, JavaScript**

Aptitude Skill	• AMCAT 2023-2022 96% in Quantitative Ability 94% in Logical Ability 93% in Automata Fix
Workshops & Training	• Trained on **AWS Cloud Practitioner** course • Trained in Java programming and DBMS on **Infosys Springboard** platform • Workshop on **Computer Vision for real applications** • Workshop on **Capacity Building program,** hardware
Co-Curricular Activities	• **Paper Presentation** under the topic <u>Intelligent AutoML diagnosis and alert system through persistent auscultation of heart murmurs to heart ailments</u> - proposed an idea for persistently monitor the heart and to prevent CVDs participated and won, PSG College of Technology 2022. • Selected for 2nd round and active participation in **IICC (Innovative India Coding Contest)** on July 2022.
Extra-Curricular Activities	• Skilled Illustrator and Digital Artist, active in <u>Behance</u>(link) • **Office bearer** and **Software Developer** in Photography Club in our College • **Office bearer** and **Event Management Head** in Health Club in our College • **Active Organizer** in Gyan Mitra'23, A National Level Techno Syposium conducted in our College 2023

Sports		
	• **Asian book of records** in Maximum People Solving 3x3x3 Rubik's Cube on Digital Platform - 2021	National
	• **MSSC tournament (CBSE) Winner** in Badminton - 2014 to 2020	State
	• **Rope skipping champion** - 2017 to 2019	State
	• **TN trophy (SDFA) Winner** in Badminton - 2015 to 2020	District
	• **CM Trophy Winner** in Cricket and Badminton - 2023	District
	• **Anna University Winner** in Badminton - 2021 to 2023	District

Personal Details	**Father's Name:** T. M. Mathivanan **Mother's Name:** M. Parameshwari **Gender:** Female **Date of Birth:** 19 November 2002 **Nationality:** Indian **Address:** 288-A Railway road , Tenkasi District -627811
Declaration	I assure you that the above furnished details are true to my knowledge. M. Logha Place: Tenkasi SIGNATURE