MALATHI

Student

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EDUCATION

2025(Present)
MEPCO SCHLENK ENGINEERING COLLEGE

- B.Tech Artificial Intelligence And Data Science
- 8.16 CGPA(Till 7th semester)

2022
S.H.N.V HIGHER SECONDARY SCHOOL, SIVAKASI

- Higher Secondary Certificate(HSC)
- Percentage: 91.67 %

2020
S.H.N.V HIGHER SECONDARY SCHOOL, SIVAKASI

- Secondary School Certificate (SSLC)
- Percentage: 93.2%

LANGUAGES

- Tamil
- English (Fluent)
- Japanese (basic)

SKILLS

- Communication
- Creativity
- Time Management
- Team work
- Critical Thinking
- Leadership

PROFILE INFO

As a dedicated student in Artificial Intelligence and Data Science, I aim to apply my technical knowledge and creative thinking to build intelligent and scalable solutions. I am enthusiastic about solving real-world challenges through data-driven decision making and continuous learning

CERTIFICATIONS

UDEMY

Web Development ,
Mastering AWS Serverless: Hands-on With Core AWS Services

NPTEL

Python, Java, Large Language Models

INFOSYS SPRINGBOARD

Associate in IT Foundation Skills (Java, Dbms, NoSql, Software Engineering and Agile Software development)

IEEE ENGLISH FOR TECHNICAL PROFESSIONALS

AWARDS & ACHIEVEMENTS

- Awarded academic scholarship for maintaining a CGPA above 8.0
- Best Outstanding Student Award – Grade 12, for overall excellence
- Best Guide Award – Scouts (2018), recognizing leadership and service
- Scout Completion Certificate for completing full training program

PROJECTS

🧠 AI & MACHINE LEARNING PROJECTS

STORY NARRATION GENERATOR

Python, Gradio, Cohere, Stable Diffusion, MoviePy
Created an automated storytelling platform that transforms user prompts into narrated videos using AI for text, image, and audio generation. Delivered outputs via an interactive Gradio interface..

TRUCK DELIVERY LOGISTICS ANALYZER

Python, Tkinter, Pandas, Scikit-Learn, Matplotlib
Built a desktop tool to analyze logistics data and trends with ML models like Naïve Bayes and K-Means. Provided real-time visualization of supplier performance and trip predictions. Enabled data-driven insights via a user-friendly GUI.

WEATHER PREDICTION

Python, Streamlit, Scikit-learn
Developed a web-based app for real-time weather updates and future trend prediction. Used OpenWeatherMap API with linear regression for forecasting. Integrated interactive charts and data displays using Streamlit.

MUSIC MOOD PLAYLIST GENERATOR

Python, DeepFace, Kafka, Spark, Streamlit, YouTube API
Built a real-time emotion-based playlist generator using facial recognition and Spark streaming for dynamic, privacy-aware recommendations.

🌐 WEB APPLICATIONS

JOB SEARCH PLATFORM

MERN Stack, BERT, JWT
Built a smart job portal with semantic resume-job matching using BERT and cosine similarity. Implemented role-based access, job tracking, and secure login with JWT. Streamlined hiring through automated email alerts and a modern MERN stack.

GAMIFIED HABIT TRACKER

React, Node.js, MongoDB
Designed a habit-tracking platform with gamified XP, leveling, and streak features. Enabled users to set custom challenges and earn rewards. Ensured secure authentication and responsive UX for continuous user engagement.

🎮 GAMES

SOKOBAN SOLVER GAME

Python, Tkinter
Created a puzzle game with both manual play and AI-based BFS auto-solving. Implemented real-time rendering, win logic, and animated movements. Offered multiple levels with instant reset and interactive gameplay.