

SRIMATHI K

GitHub: <https://github.com/SrimathiKumar01>

Leetcode: <https://leetcode.com/u/kumarsrimathi4/>

LinkedIn: <https://www.linkedin.com/in/srimathi-kumar/>

Email: kumarsrimathi4@gmail.com

Mobile No: 7604973522

OBJECTIVE

An enthusiastic and motivated Information Technology student with a deep interest in fintech and emerging technologies. Strong in analytical thinking, teamwork, and continuous learning. Dedicated to building innovative solutions that solve real-world problems. Excels in logical reasoning, clear communication, and adaptability. Passionate about exploring new tools and improving technical proficiency. Looking for a dynamic environment to apply skills and grow as a professional

EDUCATION

B.Tech Information Technology

Erode-Tamilnadu
2023-2027

- Nandha Engineering College
CGPA: 8.6

HSC:

- Vaagai Vidhyalaya Matric Higher .Secondary School
Percentage: 79%

Harur-Dharmapuri
2022-2023

SKILLS

- Web Technologies:** HTML, CSS
- Programming Languages:** Java, SQL, Python
- Tools:** Figma, GitHub, SQL Workbench, pgAdmin, PowerBI
- Non-Technical Skills:** Team Collaboration, Logical thinking, Project Planning, Innovative Idea Thinking
- Languages:** Tamil, English
- Technical Skills:** Project Management, Structural Analysis

PROJECTS

Brain Tumor Detection using Image Processing & ML

- Built a system to detect brain tumors from MRI scans using Image Processing and Convolutional Neural Networks (CNN).
- Achieved 94% classification accuracy and automated tumor visualization for early clinical support

Drowsiness Detection (OpenCV + ML)

- Developed a driver alertness monitoring system using OpenCV for facial feature tracking (eyes, eyelids, head tilt).
- Integrated a Machine Learning model to detect drowsiness in real-time, successfully triggering audio/visual alerts with low latency

Bistro Management System

- Built a full-stack web application for end-to-end order processing, billing, and inventory management.
- Streamlined restaurant operations, enabling faster menu updates and generating daily/monthly sales reports

Road Accident Data Analysis using PowerBI

- Analyzed 5+ years of real-world accident datasets to identify geographical and temporal trends and patterns.
- Used PowerBI to create interactive dashboards, suggesting preventive measures for road safety to stakeholders

Telemedicine Access for Rural Healthcare - SIH 2025

- Created a mobile application for remote healthcare consultations, targeting rural areas (Nabha, Punjab) for the Smart India Hackathon (SIH) 2025.
- Included features such as AI-powered symptom checking, medicine availability tracking, and offline access to expand care access

ACHIEVEMENTS & CERTIFICATIONS

- 2nd Prize in the Technical Quiz at Anna University Regional Campus, Coimbatore.
- Participated in the National 24-hour Hackathon, Nandha Engineering College (2024).
- Privacy and Security - NPTEL (Mar 2024): Completed fundamentals of cybersecurity and data protection.
- Python Programming - Infosys Springboard & Scalar: Focused on Object-Oriented Programming and Data Structures