MANIVELAVAN K

TIRUNELVELI, TAMILNADU

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EDUCATION

Sri Eshwar College of Engineering	**B.TECH AI-DS**	**CGPA : 8.5**	**2024 - 2028**
St.Xavier's Higher Secondary School	**H.S.C**	**89%**	**2023 - 2024**
St.Thomas High School	**S.S.L.C**	**84%**	**2022 - 2023**

PROJECTS

Library Management System   **Github**
Developed a web-based system to manage books, members, and borrowing records, with CSV upload and user authentication features.
Technologies used: Python, Flask, HTML, CSS, JavaScript, CSV file handling.

AI Voice Agent :   **Github**
AI Voice Agent for Insurance Queries – Built a dual-mode (voice & chat) AI agent trained specifically on insurance-related data to handle customer queries. Integrated ASR, NLP, and TTS for natural interactions, with backend connectivity for real-time policy info. Achieved 90%+ accuracy and reduced response time by 35%.

Hand Detection using OpenCV: **Github**
Hand Detection using OpenCV – Built a real-time hand detection system using Python and OpenCV, applying contour detection and image processing techniques for gesture recognition and human-computer interaction.
Tech Stacks : Python , OpenCV , NumPy , Tensorflow

TECHNICAL SKILLS

- Programming Languages: C, C++, Python
- Web Development: HTML, CSS, JavaScript
- Core Concepts: Object-Oriented Programming (OOPs), Data Structures & Algorithms (DSA)
- Professional Skills: Introduction to AI, Introduction to ML, Web Scraping, OpenCV
- Tools & Platforms: Visual Studio Code, GitHub, Google Colab, Jupyter Notebook, Power BI, Canva

PROBLEM SOLVING SKILLS

Leetcode : 160+ problems solved | Leetcode contest Rating : 1391
Codechef : 250+ problems solved | 80% C++ skill test | 70% python skill test
skillrack : 800+ problems solved

CERTIFICATIONS & ACHIEVEMENTS

- Participation in Web Development Hackathon
- 2-Day Generative AI Webinar – Outskill
- Certificate of Achievement – Solution Challenge – Google Developer Group (GDG)
- Secured Top 5 in InsureBot Hackathon - 2025
- In A2HackFest Hackathon, come under Top 50 teams - 2025