

MAGESWARAN V

ASSOCIATE

CONTACT

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📅 07-03-2002

EDUCATION

M.Sc.,

Government arts College
(Autonomous), Salem-7

2022-2024 at CGPA of 8.2

B.Sc.,

AVS arts & science college,
Salem

2019-2022 at CGPA of 8.1

HSC

Sengunthar Mahajana Hr.Sec
School, Tharamangalam

2019 at 54%

LANGUAGES

English

Tamil

ACHIEVEMENTS

- I received a prize in the college examination
- for being the second-ranked postgraduate degree holder.

PROFILE

Experienced MSC Computer Science graduate skilled in Python programming, machine learning, and data science methodologies to derive actionable insights. Proficient in deep learning, cloud computing, IoT principles, and .NET development, eager to apply expertise in dynamic environments to drive innovation and solve complex challenges.

PROJECT

• ACCIDENT ZONE DETECTION USING PYTHON AND IMAGE PROCESSING:

Enhance road safety through automated traffic sign recognition and speed control system utilizing image processing technology.

Analyze onboard camera images to detect and interpret traffic signs, determining appropriate speed limits. Automatically reduce vehicle speed to 35 km/h if headcount exceeds ten individuals for added safety.

Mitigate accidents caused by non-compliance with traffic regulations. Improve highway safety by accurately detecting road signs and effectively regulating vehicle speed, contributing to overall transportation system enhancement.

• VIRTUAL QUIZ USING AI:

Developed a virtual quiz application utilizing computer vision and AI methodologies.

Implemented functionality to load multiple-choice questions and answers from a CSV file and display them on-screen.

Utilized OpenCV for video capture and image processing, along with the CVZone library for text and rectangle rendering. Integrated a hand-tracking module for user interaction, enabling users to select answers by hovering over choices.

HARD SKILLS:

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|--------------------------|--------------|
| • Python Basics | • HTML |
| • Asp.NET Basics | • CSS |
| • Machine Learning | • C# |
| • SQL Basics | • IOT Basics |
| • Data science Basics | |
| • Cloud computing Basics | |

SOFT SKILLS

- Continuous Learning , team working
- Problem Solving , analytical thinking
- Time management , adaptability.