HARISH KADHIR SJ

AI DEVELOPER AND DATA SCIENTIST

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OBJECTIVE

Enthusiastic and detail-oriented AI Developer and Data Scientist currently pursuing a Bachelor of Engineering in Computer Science and Engineering. Proficient in machine learning, data science, and image processing, with hands-on experience in developing innovative solutions through internships and personal projects. Possesses strong programming skills in Python, along with excellent problem-solving and teamwork abilities.

EDUCATION

Bachelor of Engineering - Computer Science and Engineering
Er.Perumal Manimekalai College of Engineering

2022-2026
CGPA: 8.07

HSC
St. Joseph's Matric Higher Secondary School

84%

SSLC
St. Joseph's Matric Higher Secondary School

75%

TECHNICAL SKILLS

- Python
- Java
- SQL
- Artificial intelligence
- machine learning
- Power BI
- Tableau

SOFT SKILLS

- Problem-Solving
- Team Collaboration
- Effective Communication
- Organizing

CERTIFICATIONS

- **IBM Coursera:** Machine Learning with Python – Jan 2025
- **Google Cloud, Coursera**: Introduction to Generative AI – Jan 2025
- **Infosys Springboard:** Programming Fundamentals using Python – Sept 2024
- **Infosys Springboard:** Data Structures and Algorithms – May 2024
- **Infosys Springboard:** Introduction to AI – April 2024
- **Rinex Organization:** AI Course (Grade A+) – Sept 2023

PROJECTS

- **CROP AND WEED DETECTION SYSTEM | GitHub**

  Developed a Crop and Weed Detection system using YOLOv10b (97.11% accuracy) and CNN (89.5% accuracy), evaluating and comparing the effectiveness of both algorithms with advanced image processing and deep learning techniques

- **DRIVER DROWSY DETECTION | GitHub**

  Built a real-time Driver Drowsy Detection system using YOLOv11m with 91% mAP50 accuracy, detecting drowsiness, mobile usage, and talking, and providing alerts for fatigue detection.

- **REAL-TIME HAND GESTURE CONTROL FOR GAMING | GitHub**

  Developed a real-time hand gesture recognition framework for gaming applications, integrating MediaPipe and OpenCV to map hand movements to keyboard actions in "Big Shot Boxing," enabling intuitive, contactless control.

- **GOVERNMENT SCHEME APP | GitHub**

  Created a Flutter mobile app integrated with Firebase for easy access to government schemes and resources, enhancing user experience with an intuitive design and responsive features.

INTERNSHIPS

- **Artificial Intelligence**
  - Rinex Organization | September 2023 - October 2023
  - Contributed to AI-driven projects, acquiring practical experience in developing AI solutions.
- **Data Science**
  - Upskill Campus | July 2024 - August 2024
  - Performed data analysis and built models to enhance the outcomes of data-driven projects.
- **Data Science and Machine Learning**
  - Upskill Campus | February 2024 - March 2024
  - Created machine learning models, deepening understanding of model evaluation and deployment.
- **Machine Learning Intern**
  - Cognifyz Technologies | April 2025 – May 2025
  - Gained hands-on experience in machine learning model development and optimization.