

Hariprasath S B

+91 6385257762 | hariprasathsivakumaar@gmail.com | [Website](#) | [LinkedIn](#) | [GitHub](#)

OBJECTIVE

An emerging Computer Science Engineer, specializing in Artificial Intelligence and Machine Learning. Exhibiting a natural ability for leadership and a firm commitment to accountability and having the capability to navigate complex problems while operating effectively in both team-oriented and independent environments. Seeking a role in your esteemed firm, to contribute and grow with the organization, continuously enhancing my domain-related knowledge in the long term.

EDUCATION

- **B tech in Computer Science and Engineering (Artificial Intelligence)** 2021 - 2025
School of Computing, Amrita Vishwa Vidyapeetham, Coimbatore
CGPA: 8.05/10
- **Higher Secondary Education** 2019 - 2021
Senthil Public School, Salem.
Percentage: 94.2%
- **Secondary Education** 2019
Senthil Public School, Salem.
Percentage: 92.6%




TECHNICAL SKILLS

- Languages:** Python, SQL, Matlab, Java
- Tools & Libraries:** Git, Matplotlib, TensorFlow, PyTorch, scikit-learn, Numpy, Pandas
- Web & Databases:** HTML, CSS, React.js, MySQL, MongoDB, Node.js, Express
- Cloud:** AWS, Amazon SageMaker
- Officeware:** MS-Excel, MS-Powerpoint and MS-Word

PUBLICATIONS

- **From Dataset to Detection: A Comprehensive Approach to Combating Malayalam Fake News**
Created a novel dataset sourced from diverse websites to address resource scarcity in Dravidian languages, like Malayalam. Proposed baseline models using multilingual BERT and a variety of machine learning classifiers to advance language processing capabilities.

PROJECTS

- **Real time video Analytics for Industrial Safety** 
Tools: TensorFlow, Streamlit, Twilio
 - Designed and deployed a real-time accident prevention system using TensorFlow, Streamlit, and Twilio, enhancing safety in industrial workplaces and helping to safeguard employees from potential hazards.
- **License Plate Detection using Raspberry pi** 
Tools: Python, OpenCV, Raspberry Pi
 - Implemented a Real-time Vehicle License Plate Detection system using Python and OpenCV on a Raspberry Pi microprocessor improving automated recognition and monitoring capabilities.
- **Satellite Image Segmentation in AWS**
Tools: PyTorch, AWS SageMaker
 - Created and trained a model for segmenting satellite images using MSR-Net architecture in PyTorch, which was deployed as Endpoint on AWS SageMaker. The system classifies different features such as land, roads, rivers, and forests in real-time, providing valuable insights for environmental monitoring and urban planning.
- **Tamil Podcast Summarizer**
Tools: HuggingFace, Transformers, youtube_dl
 - Built a system that extracts audio from Tamil podcasts, transcribes it, and generates abstractive summaries using HuggingFace Transformers and youtube_dl library. This tool enables quick comprehension of key points from lengthy podcast episodes, making information more accessible.
- **Real-time Image Enhancement Web Application** 
Tools: Python, NumPy, OpenCV, SciPy, MERN Stack
 - Developed a MERN stack web application that allows users to upload images and enhance them using a Python-based low-light image enhancement solution. Integrated advanced algorithms with NumPy, OpenCV, and SciPy to refine illumination maps and correct underexposure, and applied the DUAL method for multi-exposure fusion to enhance image clarity and detail in low-light conditions.

CERTIFICATIONS

- The Complete 2024 Web Development Bootcamp
- The Complete JavaScript Course 2024: From Zero to Expert!
- AWS Cloud Essentials

PERSONAL DETAILS

Date of Birth: 15-11-2003

Contact Address: 62/12, Ellappan street, Ammapet, Salem-636003.