

KAMALESH SRINIVASAN

AI/ML ENGINEER

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[KAMALESH SRINIVASAN-LINKEDIN](#)

VELLORE,INDIA

OBJECTIVE

A technology enthusiast with a passion for software, driven to continuously learn and explore new domains. Passionate about leveraging technology to solve real-world problems and create meaningful solutions. I enjoy bringing creativity and functionality together to build engaging and user-friendly digital experiences.

EDUCATION

B.TECH ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

RAJALAKSHMI ENGINEERING COLLEGE

2021 - 2025

CGPA - 7.6

HSE -- BIO-MATHS

THE NAMMAKAL TEACHERS VIDHYAASHRAM MATRIC HR SEC SCHOOL

2020-2021

90.9%

SSLC

THE NAMMAKAL TEACHERS VIDHYAASHRAM MATRIC HR SEC SCHOOL

2018-2019

87.2%

PROJECTS

OD AND LEAVE REQUEST SYSTEM

Developed an web application using PHP, MySQL, JavaScript, HTML, and CSS that facilitates seamless communication between department heads and students for obtaining OD and leave requests.

Enhancing Operational Efficiency and Security in Multi-Sectioned Businesses with Edge AI Through Real-Time Analytics

Developed an IoT and Edge AI-based solution using CCTV and edge devices for real-time analytics. The system generates heatmaps for resource optimization, detects anomalies, and ensures data privacy through local processing, enhancing operational efficiency and security.

Bone Fracture Detection

Developed a two-step AI-based solution for detecting and classifying bone fractures using 20,000 x-ray images. The system leverages ResNet50 for bone type classification (elbow, hand, shoulder) and specialized models for fracture detection.

SKILLS

Programming Languages: JAVA , PYTHON

Web Development : HTML , CSS

Libraries : Numpy , Pandas

Tools : Figma , Power Bi , Excel

Database Mangament System: SQL

Languages Known: English(RWS), Tamil(RWS), Telugu(S)

COURSES & CERTIFICATIONS

UDEMY - UI/UX Design with Figma

UDEMY - Web Design using HTML,CSS

Industrial robotics programming and design

PREPINSTA - Machine Learning & AI

PREPINSTA - Data Analytics

Arduino & iot applications

PUBLICATION

- ➔ Published "Enhancing Operational Efficiency and Security in Multi-Sectioned Businesses with Edge AI through Real-Time Analytics" in 2024 IEEE ICESIC Conference.
- ➔ Published "Automated Helmet and Number Plate Detection - Enhancing Road Safety" in 7th International Conference on Signal Processing, Computing and Control (ISPCC 2k25).

ACHIEVEMENTS

- ➔ Participated in the IDEA PRESENTATION organized by department of AIML at NATIONAL ENGINEER'S DAY-2022 and won the 1st Prize.

VOLUNTEERING EXPERIENCE

Main Coordinator & Event Coordinator, INNOVENTZZ Symposium - Served as the main coordinator for the department symposium, overseeing planning, execution, and team management to ensure the event's success and also as an event coordinator organized an UI/UX designing event.

Media Team Member - DEVS Club - Contributed as part of the Media Team in the DEVS Club, creating posters and promotional materials to enhance the club's outreach and engagement.