

Harishree L G

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🐙 github.com/harishreelakshmanakumar

Career Objective

To secure a position in a dynamic organization where I can apply my programming, problem-solving, and analytical skills across various roles such as software development, data analysis, or system design. I aim to contribute to innovative projects, deliver efficient and scalable solutions, and continuously grow both technically and professionally.

Educational Qualification

MSc(Software systems), Kongu Engineering College 2027
8.5/10

HSC, 2022
Kalaimagal Kalvi Nilayam Girls Matriculation&Higher Secondary School
80%

SSLC, 2020
Kalaimagal Kalvi Nilayam Girls Matriculation&Higher Secondary School
75%

Professional Experience

Project Intern, Infosys SpringBoard 02/2025 – 04/2025
Mode: Virtual Virtual
Skills Used: Python, TensorFlow, PyTorch, CNN, Transformers, OpenCV
Autonomous Driving Using Deep Learning was a virtual internship project at Infosys Springboard focused on developing an AI-based autonomous driving system. The project covered key perception tasks such as semantic segmentation and object detection, enabling the vehicle to understand and navigate complex environments. Implemented using Convolutional Neural Networks (CNNs) and Transformer-based models, the system was trained and evaluated on datasets simulating real-world driving scenarios. Leveraged OpenCV and deep learning frameworks to enhance accuracy and robustness in detection and segmentation.

Projects

Jenkins Job for Automated Deployment 03/2025 – 05/2025

- **Team Size:** 1
- **Role Played:** DevOps Engineer and Automation Developer
- **Skills Used:** Jenkins, GitHub, Docker, Bash, CI/CD, Webhook Integration

This solo DevOps project involved setting up a Jenkins CI/CD pipeline to automate the build, test, and deployment processes for software applications. The system triggers deployments automatically upon new commits pushed to GitHub, ensuring rapid and reliable delivery. Integrated with Docker for containerized deployment and GitHub Webhooks for real-time triggering, the pipeline automates stages like code compilation, unit testing, container building, and deployment to staging or production environments. The project emphasizes hands-on experience with CI/CD best practices and automation in a remote, self-managed setting.

Pawsitive Website

06/2024 – 10/2024

Team Size• : 1

Role Played• : Full Stack Developer

Skills Used• : Html, Css, Js, React JS, Node JS, Express Js

The Pawsitive website is a dedicated online platform designed to provide pet owners with access to high-quality, authentic, and diverse pet products from trusted suppliers. This platform focuses on simplifying the shopping experience for pet lovers, offering a wide range of pet food, accessories, and wellness products tailored to meet the needs of pets and their owners.

Comprehensive Web Application Fuzzer

12/2023 – 03/2024

Team Size• : 5

Role Played : Software Developer, Data Analyst

Skills Used: Python, SQL Injection, XSS

Web applications are crucial in today's digital world but are vulnerable to cyberattacks. Identifying security flaws can be challenging due to the range of potential vulnerabilities. This project focuses on developing a Web Application Fuzzer to automatically detect weaknesses in components like directories, API endpoints, URL parameters, and subdomains, uncovering issues such as SQL injection, XSS, and insecure configurations.

Smart Home Automation

07/2023 – 11/2023

Team Size:• 5

Role Played• : Frontend Developer and Project Manager

Skills Used• : Python, JavaScript, Zigbee, Bluetooth

A Smart Home Automation System enhances convenience by enabling seamless control of home devices via Bluetooth. Users can manage appliances like lights, fans, and locks directly from their smartphones. The system ensures reliable, lowlatency communication, intuitive device pairing, and secure connections, promoting a connected, efficient, and user-friendly living environment.

Area of Interests

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|----------------|---------------|-------------------|
| • Web Frontend | • Web Backend | • Cloud Computing |
| • Devops | • Networking | |

Professional certifications

- Oracle Apex Cloud Developer Certified Professional from Oracle university,2025
- Artificial intelligence primer certification from Infosys, 2024
- Python Zero to Hero from GUVI, 2024
- Introduction to Industry 4.0 and Industrial Internet of Things from NPTEL, 2023
- Oracle AI Vector Search Certified Professional from Oracle University,2025
- Principles of generative AI from Infosys, 2024
- Getting started with Deep Learning from GUVI, 2024
- Fortinet certified fundamentals in cybersecurity,2025
- Fundamentals of Deep Learning from NVIDIA,2025
- Generative AI from GUVI, 2024
- Software Engineering and agile software development from Infosys, 2025

Co-curricular Activities

Paper Presentations

Presented a paper titled "A comprehensive web extension fuzzer tool for security" and won the first prize at QUATUM FEST [Intra department fest], KEC on Sep 2024.

Presented a paper titled "Prepaid Electricity using IOT" at Vellalar College of Engineering, on Sep 2024.

Presented a paper titled "Metaverse" and won the first prize at QUATUM FEST (Intra department fest), KEC on Sep 2023.

Extracurricular Activities

- Joint Secretary cultural and music club(2025-2026)
- Joint Treasurer of Cultural&Music Club of KEC (202-2025)
- Executive Member of Department Association of KEC (202-2025)
- Active Member of Pasumainaanam Club (2023-2025)
- Placement Coordinator (2023-2027)
- Class Representative at IV Semester (2023-2024)
- Executive Member of Cultural&Music Club of KEC (2023-2024)