

# HARISH SR

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## PROFESSIONAL SUMMARY

Passionate Computer Science student with strong expertise in Python, Data Analytics, and Full-Stack Development. Experienced in developing AI-powered solutions, web applications, and machine learning projects. Certified in AWS Cloud Practitioner and TensorFlow Development with hands-on experience in modern frameworks including React.js, Node.js, and MERN stack technologies.

## EDUCATION

### Bachelor of Technology in Computer Science

Rajalakshmi Institute of Technology | Current CGPA: 7.92/10 | 2023 - Present

### Higher Secondary Education (12th)

Paavai Vidhyashram Global School | 72.6% | 2022-2023

### Secondary Education (10th)

Kendriya Vidyalaya NLC Neyveli | 89.20% | 2020-2021

## TECHNICAL SKILLS

**Programming Languages:** Python, C, Java, JavaScript, HTML5, CSS3

**Frameworks & Libraries:** React.js, Node.js, Express.js, FastAPI, TailwindCSS

**Data Science & ML:** NumPy, Pandas, Matplotlib, TensorFlow, Machine Learning

**Databases:** MySQL, MongoDB, Firebase

**Cloud & DevOps:** AWS, Microsoft Azure, GitHub

**Tools & Technologies:** RESTful APIs, LLM Integration, Prompt Engineering

**Design & Office:** Adobe Photoshop, Microsoft Office Suite, MS Excel

## PROJECTS

### IntelliQuery Hub - LLM-Based Query Processing Platform

*Technologies: Python, LLM APIs, Natural Language Processing, FastAPI*

- Developed an intelligent query processing system leveraging Large Language Models for automated response generation
- Implemented advanced prompt engineering techniques to optimize query understanding and response accuracy
- Integrated multiple LLM providers with fallback mechanisms ensuring 99% uptime and reliable performance
- Built RESTful APIs for seamless integration with frontend applications and third-party services

### HackSphere - Comprehensive Hackathon Management Platform

*Technologies: MERN Stack (MongoDB, Express.js, React.js, Node.js), TailwindCSS*

- Architected and developed a full-stack web platform for end-to-end hackathon event management
- Implemented user authentication, team formation, project submission, and real-time judging systems

- Designed responsive UI/UX supporting 500+ concurrent users with optimized database queries
- Integrated payment gateways and automated email notifications for enhanced user experience

### **SmartAttend - Face Recognition Attendance System**

*Technologies: Python, OpenCV, Machine Learning, MySQL, Flask*

- Built an automated attendance tracking system using advanced facial recognition algorithms
- Achieved 95% accuracy in face detection and recognition using computer vision techniques
- Developed real-time processing capabilities with MySQL database integration for attendance records
- Implemented web-based dashboard for administrators to monitor and export attendance data

### **EcoWaste AI - AI-Powered Waste Reduction System**

*Technologies: Python, TensorFlow, Computer Vision, IoT Integration, React.js*

- Designed an intelligent waste management solution using machine learning for waste classification
- Implemented image recognition models to categorize waste types with 92% accuracy
- Built predictive analytics dashboard to optimize waste collection routes and reduce operational costs
- Integrated IoT sensors for real-time bin monitoring and automated collection scheduling

### **MedVault - Patient Record Management System**

*Technologies: MERN Stack, JWT Authentication, Role-Based Access Control, MongoDB*

- Developed a secure healthcare application for comprehensive patient medical record management
- Implemented robust authentication and authorization with role-based access for doctors, patients, and staff
- Built encrypted data storage system ensuring HIPAA compliance and patient data security
- Created intuitive dashboards for appointment scheduling, prescription management, and medical history tracking

## **CERTIFICATIONS**

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- AWS Educate Cloud Foundations | *Amazon Web Services (Cloud Computing, 2025)*
- Google AI Essentials | *Google (Artificial Intelligence, 2025)*
- Infosys Springboard: AI & Generative AI Certification | *Infosys (AI/ML, 2025)*
- Kaggle Micro-Courses (Python, Machine Learning, Cloud Basics) | *Kaggle (Data & AI, 2025)*
- Microsoft Learn: Azure Fundamentals (Learning Path) | *Microsoft (Cloud Computing, 2025)*

## **ACHIEVEMENTS & HIGHLIGHTS**

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- Maintained consistent academic performance with 7.92 CGPA in Computer Science program
- **Hackathon Success:** Selected for finals in MSME Hackathon with 4.5/5 rating and Top 20 finalist in SynapHack
- Successfully completed 5 industry-recognized certifications in Cloud Computing, ML, and Web Development
- Developed multiple full-stack applications with modern technologies and best practices
- Experience in both frontend and backend development with proficiency in popular frameworks