

# HARISH K

☎ +91 6374628655  
✉ harishkannan.unique@gmail.com  
in <https://www.linkedin.com/in/harish-k-rizz>  
🔗 <https://github.com/HarishBuilds>  
🌐 <https://livelikeharish.vercel.app/>



## SUMMARY

Detail-oriented IT student with expertise in **Web Development** and **Embedded Systems**. Skilled in **Python, C++, JavaScript, and Embedded C** with knowledge of **React.js, Next.js, MySQL, PostgreSQL, and cloud deployment**. Experienced in delivering **real-time embedded systems** and **scalable applications** using **Agile practices**.

## INTERNSHIPS & PROJECT EXPERIENCE

### **IoT Intern - Triox Technology | Dec 2024 - Jan 2025**

- Engineered **Raspberry Pi IoT** solutions for drowsiness detection and **interactive dashboards**, improving automation efficiency by **25%**. Implemented **Python/OpenCV** algorithms for real-time video analysis, increasing detection accuracy by **30%**. Worked in an **Agile team of 5**, ensuring projects were **delivered on time**.

### **Product Developer - Steam Troops Innovation Pvt. Ltd. | Sep 2023 - Oct 2023**

- Designed and tested **DIY STEM kits** for electronics, used by **200+ students**. Programmed **Arduino and ESP-32 microcontrollers**, delivering **3 prototypes** for client demonstrations. Optimized **hardware-software integration**, reducing testing cycles by **20%**.

## PROJECTS

### **Food Vision Logger (Raspberry Pi, Python, Linux)**

- Developed an automated **vision-based inspection system** for conveyor belts in food processing.
- Improved **quality monitoring accuracy by 40%** through real-time defect logging.

### **Drowsiness Detection System (Raspberry Pi, Python, Dlib, OpenCV)**

- Built a **driver monitoring system** that achieved **95% accuracy** in detecting drowsiness.
- Integrated **real-time alerts**, reducing accident risks during testing.

## TECHNICAL SKILLS

**Programming:** Python, C++, JavaScript, Embedded C

**Web Development:** React.js, Next.js, Express.js, Tailwind CSS, REST APIs

**Databases:** MySQL, PostgreSQL

**IoT & Embedded Systems:** Raspberry Pi, Arduino, ESP-32, Sensors & Actuators

**Concepts:** Agile Development, Object-Oriented Programming (OOP), Data Structures & Algorithms, Full-Stack Development, Cloud Deployment (AWS, Vercel)

**Tools:** Git/GitHub, Figma, Visual Studio Code, Jupyter Notebook

## EDUCATION

### **Bachelor of Technology in Information Technology**

Park College Of Engineering and Technology | 2021-2025

CGPA: 8.1/10

## INTERESTS AND ACHIEVEMENTS

- Passionate about **programming, designing, and innovative problem-solving**
- Active contributor on GitHub and personal portfolio projects.
- Successfully cleared the **TCS National Qualifier Test (NQT) Advanced Coding** round with a **68% score**.

## AWARDS AND CERTIFICATIONS

- Best Student Award (4 consecutive years)** — Recognized as the only student in the department to receive this honor throughout the bachelor's degree.
- Complete **Web Development Bootcamp 2024 (Udemy)** — Certified in full-stack web development covering **HTML, CSS, JavaScript, React.js, Node.js, Express.js, and databases**.