Yashwanth Kesanam

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PROFESSINAL SUMMARY

Enthusiastic Electronics and Communication Engineering student with hands-on experience in IoT and networking projects. Led a team to become **National Winner at Smart India Hackathon 2024.** Skilled in Python, C, and embedded systems, with a good understanding of networking protocols and IoT hardware integration. Quick learner with strong problem-solving and teamwork skills.

EDUCATION

PSCMR COLLEGE OF ENGINEERING AND TECHNOLOGY   Vijayawada, India
Bachelor of Technology   Sept 2022 – March 2026
Electronics and Communication Engineering   **CGPA:7.8**

SRI CHAITANYA JR COLLEGE   July 2020 - May 2022
Intermediate, BIE   **Marks: 840/1000**

SRI VISWASANTHI HIGH SCHOOL   May 2020
SSC   **Marks: 586/600**

TECHNICAL SKILLS & INTERESTS

Languages: Python, C, VHDL, Embedded C
Software: Arduino IDE
Technologies: HTML, CSS, JAVASCRIPT
Developer Tools: VS Code, GIT
Soft Skills: Communication, Logical & Analytical Reasoning, Ability to work in Team, Adaptability, Self-Learning.
Area of Interests: Embedded Systems, AI & Machine Vision Applications, Innovative Product Development & Hackathons.

EXPERIENCE

1.Infosys Springboard – Virtual Internship 6.0 (Batch 7)
Virtual Intern   **Nov 2025 – Jan 2026 | Remote**

- Working in the **Python Full-Stack domain**, developing a **Flight Booking Simulator** with dynamic pricing based on demand and seat availability.
- Implementing backend logic, APIs, and full-stack integration to simulate real-world booking workflows and pricing behavior.

2.SMART INDIA HACKATHON 2024
Team lead   Dec 2024|Bhopal

- Led a 5-member team in building a portable IoT-based microbial detection device for milk, integrating 3+ hardware modules.
- Coordinated end-to-end project execution, including PCB prototyping, sensor integration, embedded programming, and cloud-based data visualization.
- Presented the project to industry experts and jury panels, gaining national recognition for innovation and practical feasibility.

3.South Central Railway - Women's Welfare Organisation (Regd)
Intern   May 2025 - Jul 2025| Vijayawada

- Gained hands-on experience with railway signaling systems and telecommunication protocols.
- Assisted in testing, maintenance, and troubleshooting of signaling equipment and communication networks.

4.SkillDzire

Intern   May 2024 - Jun 2024 | Remote

- Designed and developed 2+ embedded prototypes focusing on real-time health monitoring and home automation.
- Integrated sensors, ESP32, and Arduino-based microcontrollers, performing functional and field testing to validate reliability.
- Enhanced practical expertise in IoT system design, hardware-software integration, and embedded C programming.

5.Prodigy infotech

Intern   May 2024 - Jun 2024 | Remote

- Built responsive and user-friendly websites using HTML, CSS, JavaScript, and modern frameworks, improving project functionality and performance.
- Collaborated in a team-based real-world project, optimizing efficiency through best coding practices and on-time delivery.

PROJECTS

1.REAL-TIME MILK MICROBIAL DETECTION   Smart India Hackathon 2024

- Developed a low-cost, portable IoT device capable of detecting microbial contamination in milk in real time using conductivity measurements with temperature compensation, enhancing dairy quality and safety.
- Designed and integrated key components including Node MCU microcontroller, SEN0244 conductivity sensor, temperature sensor, and OLED display, with ThingSpeak cloud storage for remote monitoring and trend analysis.
- Achieved 75% detection accuracy in live testing at Smart India Hackathon 2024, delivering a scalable and reliable solution for enhancing milk safety and reducing spoilage losses.

2.SAFE BAND - SMART SAFETY WEARABLE

- Designed and developed a smart safety wearable capable of sending real-time location alerts through dual-mode SOS (manual and automatic) for enhanced personal security.

CERTIFICATIONS

- Oracle Cloud Infrastructure 2023 - AI Foundations Associate, oracle.
- Multicloud Network Associate, Aviatrix.
- Web Design Course, GUVI Skill-A-Thon. (Certified by APSSDC)
- Deloitte Australia - Data Analytics Virtual Experience (Forage Platform, Virtual)
- Programming Fundamentals using Python (Certified by Infosys)

ACHIEVEMENTS

- **National Winner - Smart India Hackathon 2024(Team Lead).**
- **Winner – MindSprint 2025 National Hackathon | Dec 2025**
- **Selected Innovator - Future Founders Program 1.0 (Ongoing),** Ratan Tata Innovation Hub (RTIH)
  -Selected for a 45-day national-level prototype development program under RTIH mentorship**.**
- Received offer letter for Infosys Springboard Virtual Internship 6.0 (Batch 7) - 2025
- 2nd Place - Project Expo on Engineering Day (College Level)
- Organized "Black Box" event with 500+ participants during college tech fest.

DECLARATION

I Here declare that the above-mention information is true as per my knowledge.