

ANAMALA HEMANTH KUMAR

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OBJECTIVE

Motivated and detail-oriented engineering student with strong technical foundations, seeking a Technical Intern – R&D position to apply problem-solving skills and academic knowledge in real-world projects. Eager to contribute to development, testing, and documentation while gaining hands-on experience under the guidance of industry experts.

EDUCATION

Bachelor of Technology in Electronics and Communication Engineering

2022 – 2026(Expected)

Ramachandra College of Engineering, JNTU Kakinada, Eluru — CGPA: 7.85

EXPERIENCE

Embedded Systems Intern

May 2024 – Jul 2024

DRDO – DRDL Hyderabad

- Worked with STM32 and LPC2378 microcontrollers for embedded systems development.
- Designed real-time sensor interfaces with a focus on firmware testing and debugging.
- Gained exposure to defense technologies and real-time embedded applications.
- Observed advanced workshops on embedded systems and industrial applications.

IoT Intern

Dec 2023 – Jan 2024

PANTECH eLearning Remote

- Built real-time IoT projects integrating Arduino, ESP8266, and cloud platforms.
- Developed dashboards using ThingSpeak and Blynk for data visualization.
- Implemented sensor-based automation systems with wireless connectivity.

PROJECTS

Smart Dustbin: Automated waste bin using ultrasonic sensors for contactless operation. *Tech: Arduino, ESP8266, Blynk.*

Water Heater Controller: Temperature-controlled heating system with sensor-based automation for efficient energy management.

Web Applications: Developed QR Generator, Weather App, Movie Ticket Booking system, and Fresh Farn Products. *Tech: React, Node.js, MongoDB.*

AI Projects: Face recognition system, Chat Bot using Gemini API, and Face Lock authentication for ATM website security.

TECHNICAL SKILLS

Programming Languages: C, Python, Java, JavaScript, HTML, CSS

Frameworks & Libraries: React, Node.js, MongoDB.

Embedded Tools: Keil uVision, STM32, Arduino, ESP8266, ThingSpeak, Blynk

Familiar Tools & Platforms: Git, Microsoft Office (Excel, Word, PowerPoint), Azure, AWS, Cloud Computing.

CERTIFICATIONS

- Web Development (HTML, CSS, JS)
- Ethical Hacking 101 – Simplilearn
- Python Programming – HackerRank
- PG Diploma in Computer Applications (PGDCA)
- Coursera - "C for Everyone"
- Micro Certification – ServiceNow

WORKSHOPS

- Participated in hands-on workshops on Machine Learning (ML) and Data Analytics using Python.
- Attended PCB Design workshop, strengthening hardware design foundations.
- Observed advanced workshops on embedded systems, real-time applications, and defense technologies during DRDL internship.

SOFT SKILLS

- Adaptability
- Intercultural Skills
- Emotional Intelligence
- Creativity
- Conflict Resolution
- Critical Thinking
- Team Collaboration

EXTRA-CURRICULAR ACTIVITIES

- Passionate about cooking and exploring new recipes
- Enjoy watching Telugu, Hindi & English movies for entertainment.

PERSONAL DETAILS

Date of Birth: 27 April 2004

Languages Known: English, Telugu, Hindi

Nationality: Indian

"Passionate about technology and committed to continuous learning and innovation."