Hemanth Kumar D

Electronics and Communication Engineering Student | Embedded Systems | Python | IoT | AI & Computer Vision

Contact

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9790722733

Chennai

Full Stack Development

Skills

Python C Programming Embedded Systems STM32 ESP32 IoT Computer Vision YOLOv8 SQL Linux HTML CSS Git

Links

https://github.com/Hemanth0511-sist

https://www.linkedin.com/in/hemanth-kumar-d-435b3426b

Summary

Final-year Electronics and Communication Engineering student with hands-on experience in Embedded Systems, IoT, Python, and Artificial Intelligence. Developed a UAV Detection System using YOLOv8, STM32, and ESP32 for real-time drone monitoring. Strong problem-solving, communication, and teamwork skills with a passion for learning emerging technologies and contributing to innovative projects.

Experience

Project Intern — Jun 2025 - Aug 2025
Edufy - IBM Internship

- Completed internship training on industry-oriented technologies
- Worked on real-time embedded and IoT projects
- Improved problem-solving and technical skills
- Collaborated with mentors and team members

Intern Trainee — Dec 2024 - Jan 2025
Chennai Merto Rail Limited

- Gained exposure to metro rail operations and infrastructure systems
- Learned about signaling, communication, and electrical systems
- Observed maintenance and safety procedures in metro operations
- Developed understanding of transportation engineering and project management
- Worked with industry professionals and enhanced technical knowledge

Education

B.E Electronics and Communication Engineering — 2022 - 2026
Sathyabama Institute of Science and Technology

- CGPA: (7.8)
- Final Year Student
- Interested in Embedded Systems and AI

Projects

- Low-Power Embedded UAV Detection System Based on Real-Time Audio Signal Classification
- Smart IoT Based Monitoring System
- Embedded Systems and Microcontroller Projects

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