

Ankit Lama

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GitHub: github.com/Ankit-lama — Location: Hyderabad, India

Objective

Motivated and technically inclined engineering student passionate about artificial intelligence and healthcare innovation. Eager to apply practical skills in electronics, programming, and web technologies through internship opportunities that offer hands-on experience in real-world problem-solving.

Education

Bachelor of Technology in Computer Science and Engineering

Aurora Higher Education and Research Academy, Hyderabad

(Expected Graduation: 2028)

Senior Secondary Education (CBSE)

XYZ Public School, India

Completed: 2024

Technical Skills

- **Programming Languages:** Python, C++, JavaScript
- **Web Technologies:** HTML, CSS
- **Embedded Platforms:** Arduino, Raspberry Pi, ESP32
- **Core Concepts:** Internet of Things (IoT), API Integration, Basic AI, Frontend Development
- **Tools and Environments:** VS Code, GitHub, Arduino IDE, L^AT_EX

Projects

Smart Health Monitoring System with AI Integration

Technologies: Arduino, ESP32, Python, Raspberry Pi, REST API

Developed an intelligent healthcare system capable of measuring ECG, heart rate (BPM), temperature, and blood pressure using sensors and Arduino. Data is processed through a Raspberry Pi and analyzed via a Python-based chatbot using basic AI logic, enabling real-time health insights and communication.

Achievements and Learning

- Built a functional prototype for an AI-driven ECG and vitals monitoring system.
- Gained hands-on experience in embedded hardware and software integration.
- Demonstrated initiative and self-learning in Python, IoT, and API communication through project-based exploration.

Workshops and Seminars

- Participated in an expert session on *Internet of Things (IoT)*, with hands-on demonstrations including smart LED control via mobile interface and sensor-based data logging using ESP32 and smart cards.
- Attended workshop on *HTML and CSS Web Development*, creating a complete webpage and interactive registration form with structured layout and styling.