

# Anvesha Kashyap

Electronics and  
Instrumentation Engineer

## CONTACT

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## EDUCATION

### Heritage Institute of Technology | 2024-2028

Bachelor of Technology in Electronics and Instrumentation Engineering

- GPA: 7.5
- Coursework: Machine Learning and Data Science
- Recognition for Extended Research Paper on In-Situ IoT based Water Quality Sensing

## OTHER INFORMATION

Activities	Hobbies	Languages
<ul style="list-style-type: none"><li>• Core Member of ISOI Student Chapter, HITK</li><li>• Core Member, Robotics Club, HITK</li><li>• Design Team, Pravasana, HITK</li></ul>	<p>Drawing and Painting, Playing the Guitar, Chess, Coding, Watching Sports (Formula One, Cricket)</p> <p>Playing badminton</p>	<ul style="list-style-type: none"><li>• English (Fluent)</li><li>• Hindi (Fluent)</li><li>• Bengali (Basic)</li></ul>

## SKILLS

- Internet of Things
- Programming: C, Java, Python, Matplotlib, numPy, Pandas
- Full Stack Web Development
- Tools: Arduino IDE
- Other: Circuit design, PCB layout, Soldering, Simulation tools
- Graphic Designing

## PROFESSIONAL EXPERIENCE

### INTERNSHIPS

- 1 Month Internship at AI Wallah (June'25 – July'25)
- Machine Learning Capstone internship by Kshitij IIT Kharagpur (July'25 – Aug'25)
- Agnirva Space Research Internship by ISRO [AICTE Certified]

### ACHIEVEMENTS

Hackathons and various other events:

- 1<sup>st</sup> Runner Up in ICCPDM'25 ( Inter College Competition on Prototype Design for Mankind ) hosted by the department of Applied Electronics and Instrumentation Engineering (AEIE) of HITK – *with AquaSense*
- 1<sup>st</sup> Runner Up in BIZCOM'25 hosted by Heritage Business School – *with AquaSense*
- SIH'25 Software Edition Finalist [SIH25175 by ISRO] – *with NeuroNexus*
- Metamorph'25 Finalist [Top 30], hosted by GNIT – *with AquaSense*

## CERTIFICATES

### Full Stack Web Dev | 01.01.25 to 28.02.25

1Stop.ai IIIT Guwahati

### Agnirva Space Research | 08.02.25 to 11.03.25

ISRO

### ISOI Student Chapter IoT

ISOI Student Chapter

### Machine Learning

KSHITIJ by IIT KGP

## PROJECTS

### AquaSense

AquaSense is a team project that focuses on real-time water quality monitoring using a custom-built circuit featuring two self-designed sensors – Electrical Conductivity (EC) and Turbidity, along with a pH sensor, ensuring early detection of unsafe water and supporting potable water assessment.

### MAITRI

Designed an AI-powered system that combines emotion detection, voice tone analysis, and wearable sensor data to monitor users' mental and physical health, enabling early identification of stress, fatigue, and well-being patterns.

### AI-powered Smart Plant Care & Watering System

Designed an AI-based plant care solution to automate watering the plants as it analyses plant and environmental data to predict optimal watering needs, prevent over/under-watering, and enhance sustainable water usage. Made to solve the problem of plant keepers who fear losing their plants when not under proper care for a few days.

### ScrutinyX

Designed an AI-driven legal assistance system that helps users understand legal documents and queries by extracting key information, simplifying complex legal language, and supporting informed decision-making.