

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

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:

- 1st 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*
- 1st 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.