**UTKARSH TRIPATHI**

tripathigaurav99199@gmail.com || (+91) 8858813617 || *https://www.linkedin.com/in/utkarshtripathiai*

# SUMMARY

Enthusiastic and confident Computer Science Student , with strong problem-solving skills and a deep interest in robotics,

prompt engineering, and web development & Computer Vision. Passionate about building bots and conceptual robots, with research Paper and multiple project achievements.

# PROJECTS Xypher Bot – Autonomous Surveying Robot [Dec 2024 - Present]

* Prototype level an intelligent robot capable of autonomous surveying operations.
* Integrated multiple sensors and mobility systems for real-world navigation.
* Research Paper presented in International Conference (best paper award).

**Laser-Based Vertical Height Measuring Robot** [Mar 2024 – April 2024]

**Newton’s** **Apple** [April2025 – May 2025]

* Simulate Newton's apple fall to measure height using time of free fall.
* Uses ESP32, MPU6050, and Telegram bot to detect fall and send results.

**Multiple Filter computer vision based Webapp** [June 2025 – July 2025]

* Deployed website with various feature like face filters, anonymizer, Fitness Pose Corrector and intruder detection etc in live webcam

**Baby Monitoring System** (sending alert with location and image to whatsapp in case of emergency) [August 2025 – Present]

# EDUCATION

Babu Banarasi Das University **-** B.Tech(CSE AI)- SGPA – 7.2 **[**2022-2026**]**

Savitri Vidya Vihar - Intermediate (66.66% | UP Board) [2021-2022]

Praxis Vidyapeeth – High School (79.88% | UP Board) [2019-2020]

# SKILLS

# Python ,Java, Arduino, Robotics, Prompt Engineering, Raspberry Pi, Computer Vision and SQL

# Project Management, Researcher, Creative Thinking, Problem Solving

**WORK EXPERIENCE**

IBM PBEL training and internship in IOT [June 2025-July 2025]

GRASTECH training and Internship in Java Core and Advance [July 2025-August 2025]

# AWARDS & RECOGNITIONS

**Best Paper Award @ 5th International AI Conference | 2nd Runner-Up BuildWithAI (LPCPS) , Smart Earth Hackathon & Ideathon Finalist (SCRS),** Participant – TechXplore, TechXpo, Mini Robo War, Kalpathon etc  
Member – Cohere Lab & University Robotics Club | Ex Coordinator – Soft Computing Research Society

# LANGUAGES

Hindi (Native), English (Fluent)