

# Yash Kumar

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NDC Muradnagar, Ghaziabad

## Career Summary

I solve real-world problems using software integrated in hardware. Passionate about building intelligent systems and crafting innovative solutions through embedded programming and AI-powered automation.

## Education

**B.Tech**, KIET Group of Institutions, Ghaziabad 2023 – 2027  
Muradnagar, Ghaziabad  
Current Year: 2nd Year  
Academic Score: 71%

## Skills

### Technical Skills:

- Programming: Python, Arduino C++, Scratch, C, JavaScript
- Web Development: HTML, CSS, React, Flask, Firebase
- IoT Platforms: Arduino, NodeMCU, ESP32, MicroPython, Sensors
- AI & ML: LLM API Integration, Langchain, Prompt Designing

### Soft Skills:

- Leadership, Communication, Team Collaboration
- Roles: House Captain in School, Class Representative in College

## Projects

**AutoDOM** Sep 2024 – Dec 2024  
AI-powered smart and intelligent home automation system.  
*Technologies:* Gemini API, MIT Scratch, NodeMCU, Arduino C++, Firebase, HTML, CSS, Sensors  
*Role:* Inventor/Developer

**VIVA – Virtual Integrated Voice Assistant** Jun 2024 – Aug 2024  
Voice-controlled assistant to interact with PC functionalities.  
*Technologies:* Python, Llama 3 API, pyautogui  
*Role:* Inventor/Developer

**Movable Smart Dustbin** Apr 2021 – Oct 2022  
Bluetooth-controlled smart dustbin with automated opening, segregation, and waste capacity indication.  
*Technologies:* Arduino, Sensors & Actuators, MIT Scratch  
*Role:* Creator/Developer

## Certifications

**Python Programming Language Basics** – HackerRank Aug 2024  
**Arduino Foundations** – LinkedIn Learning Oct 2024  
**GPT for Programmers** – GUVI Oct 2024

## Awards & Achievements

- Winner – National Mathematics Day 2024 Project Expo, Dept. of Applied Sciences, KIET (Dec 2024)
- 2nd Runner-Up (Track) – Innotech 2024, KIET (Nov 2024)
- Winner (Track) – Bharat Shiksha Expo 2024, MIET Meerut (Nov 2024)