

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)