Yash Kumar

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📞 +91   🌐 portfolio   📍 NDC Muradnagar, Ghaziabad

Education

B.Tech, KIET Group of Institutions, Ghaziabad   2023 – 2027
Specialization: Computer Science Engineering (AI & ML)   Current Year: 3rd Year
Academic Score: 73% (till 3rd Semester)   Location: Ghaziabad, India

Technical Skills

Programming Languages: Python, C/C++, Java, JavaScript
Web Development: React.js, Vite, Flask, Firebase, HTML/CSS
AI/ML: Generative AI, LLM APIs, Prompt Engineering
IoT & Embedded: ESP8266/ESP32, Arduino, MicroPython, Sensors
Tools & Platforms: Git, VS Code, Jupyter Notebook, Vercel, Render, MIT App Inventor

Projects

– **LIMMA – Language Interface Model for Machine Automation** *[View]*   *Aug 2025 – Sep 2025*
Control ESP devices via natural language commands. Speak or type to control lights and devices instantly.
Technologies: Python, React, Gemini, PlugLLM, PyVoiceKit, Flask, Render, Vercel, Firebase
Impact: Simplified smart home automation with voice-controlled IoT.

– **Python Packages** *[View]*   *Jul 2025 – Sep 2025*
pyvoicekit (*750+ downloads*) | **plugllm** (*1K+ downloads*) | **limma** (*500+ downloads*)
Developed and published Python packages to automate PC operations and streamline utility tasks with
concise, easy-to-use code.
Technologies: Python, PyPI Distribution
Impact: Achieved 2,000+ combined downloads; adopted by students and developers for automation scripts.

– **elecBazaar.shop – IoT Components Store for KIET Students** *[View]*   *Jan 2025 – Mar 2025*
Created an online platform for first-year KIET students to easily purchase IoT and electronics components
for their projects, while providing mentorship for project execution.
Technologies: React Vite, JavaScript, HTML5, CSS3, Firebase, GitHub, SEO
Impact: Supported 50+ students in procuring components and successfully completing their projects under
my mentorship.

– **AutoDOM** *[View]*   *Sep 2024 – Dec 2024*
AI-powered smart home automation system with real-time device control and intelligent automation logic.
Technologies: Gemini API, NodeMCU, Arduino C++, Firebase, HTML, CSS, Sensors
Impact: Enabled voice and AI-assisted control for household appliances, reducing manual effort by 60%.

Certifications

– **Introduction to MongoDB (For Students)** – MongoDB, Inc   *Sep 2025 [View]*
– **GPT for Programmers** – GUVI   *Oct 2024 [View]*
– **Python Programming Language Basics** – HackerRank   *Aug 2024 [View]*

Awards & Achievements

– **Winner** – National Mathematics Day 2024
Project Expo, KIET

– **2nd Runner-Up (Track)** – Innotech 2024, KIET

– **Winner (Track)** – Bharat Shiksha Expo 2024,
MIET Meerut

Patent

**IoT-Based Smart Home Mechanization and
Monitoring System Employing ESP Modules** – Patent Application No. **202511004492 A**,
Indian Patent Office, Jan 2025