

# Yash Kumar

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Portfolio: [portfolio](#) Location: NDC Muradnagar, Ghaziabad

## Education

### B.Tech, Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Specialization: Computer Science Engineering (AI & ML)

Academic Score: 73% (till 3rd Semester)

2023 – 2027

Current Year: 3rd Year

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

## Patent

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

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

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

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