

Yash Kumar

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Education

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

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