

Yash Kumar

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 +91 8███████9  [portfolio](#)  NDC Muradnagar, Ghaziabad

Education

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

Specialization: Computer Science Engineering (AI & ML)

Academic Score: 73.68% (till 4rd Semester)

2023 – 2027

Current Year: 3rd Year

Location: Ghaziabad, India

Technical Skills

Programming Languages: Python, C/C++, Java (basic), JavaScript (basic)

Web Development: React.js, Vite, Flask, Firebase, HTML/CSS

AI/ML: Generative AI, LLM APIs, LangChain PyTorch, NLP, sklearn

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 (1k+ downloads) | **plugllm** (2K+ downloads) | **limma** (2K+ 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

- **1st Finalist** – OpenAI Academy x NxtWave GenAI Buildathon (State Level), Nov 2025, NIU
- **Winner** – Tinkercase 3.0 2025 Hackathon, DTU
- **Winner** – 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

Patent