

HIMANSHU SHARMA

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| [GitHub](#)

| [LinkedIn](#)

| [Portfolio](#)

Professional Summary

Cloud-Connected IoT & Full-Stack Web Developer passionate about building scalable systems that bridge sensors, embedded hardware, cloud infrastructure, and user-facing dashboards. Experienced in deploying containerized apps on cloud platforms (AWS EC2, S3, Lambda), and skilled in building real-time, secure IoT solutions with Python, Django, MQTT, and Docker. Seeking to apply this cross-domain skillset to impactful roles in IoT product development, cloud infrastructure, or full-stack engineering. Open to Full-Stack / IoT / Cloud Dev roles.

Skills

Languages: Python, JavaScript, HTML, CSS

Frameworks: Django, React, REST API, TailwindCss

IoT/Hardware: LoRa, Arduino, ESP32, MQTT, Embedded Systems, Raspberry pi

Tools: Git, Docker, NGINX,

Platforms: Linux, Windows, Virtual Machines

Cloud: AWS (EC2, Lambda, S3)

Experience

Worked under a college faculty mentor for 2 years on real-world projects in Web Development and IoT, gaining hands-on experience with Django, AWS, embedded systems, and cloud-integrated IoT solutions involving LoRa, Raspberry Pi, ESP32, Arduino.

Projects

IoT Device Management Web App – (Deployed in My College)[GitHub](#)

Django, MQTT, LoRa, Docker, TailwindCSS

- Designed and deployed a real-time monitoring system for LoRa and ESP devices.
- Supported sensor data visualization, role-based login, device control (GPIO), and threshold-based email alerts.
- Enabled both HTTP and MQTT communication for flexible device compatibility.

AI-Powered Resume Analyzer – [GitHub](#)

Django, Gemini API, PyMuPDF, Docker, AWS EC2

- Created an AI-based tool for resume improvement using Google Gemini LLM.
- Parsed PDF and DOCX formats and delivered actionable feedback via NLP.
- Hosted on AWS EC2 and containerized with Docker for fast, portable deployment.

Multi-Camera Face Recognition Platform [GitHub](#)

OpenCV, Django, WebSockets, Redis, Email Alerts

- Built a security platform where users register faces and monitor live IP cameras.
- Detected authorized entries in real-time, sending instant alerts with face snapshot.
- Scalable architecture with face database and camera control via Django admin.

Education

Pursuing Bachelor of Vocation (B.Voc) in IoT

Dayalbagh Educational Institute, Agra

7.8 CGPA

2023–2026

XII (U.P. Board)

M.D. Jain Inter College, Agra

2023

Achievements:

- Led Team Neon_Nexus to 4th place in the Internal Smart India Hackathon 2024 at Dayalbagh Educational Institute [view [certificate](#)]
- Attended AWSome Day Online Conference by Amazon Web Services [view [certificate](#)]