Himanshu Sharma

[himanshuxdei@gmail.com](mailto:himanshuxdei@gmail.com) *|* +91 9457139175 *|* [GitHub](https://github.com/ohnohimanshu) *|* [LinkedIn](https://linkedin.com/in/HimanshuSharma)

# SUMMARY

Cloud enthusiast with hands-on experience in developing real-time web applications, local AI systems, and embedded data visualizations. Skilled in Django, Python, JavaScript, and cloud platforms. Seeking an internship to apply my skills in innovative, impactful projects.

# PROJECTS

## Device Management Web application (Deployed in docker)

Developed a full-stack dashboard to monitor multiple LoRa-enabled devices in real-time. Implemented:

* + Role-based access control (Admin, Device Manager, User)
  + Sensor data visualization using interactive charts/tables
  + Email alerting system according to event
  + Technology used: Django, Tailwind, Html, Java Script

## Chatbot using Ollama + Django: (Deployed in wsl) [Link](https://github.com/ohnohimanshu/HMX-chatbot)

Created a privacy-centric chatbot app:

* + Integrated Ollama for local LLM-based response generation (no cloud dependence)
  + WebSocket support for live conversations
  + Responsive Tailwind frontend optimized for all devices
  + Deployed in WSL to simulate cross-platform use
  + Technology used: Django, Ollama, Html, Tailwind, Java Script

## Music Mood Streaming App: (Deployed in docker)[Link](https://github.com/ohnohimanshu/Moodify/blob/main/Moodify.zip)

A web app to recommend songs based on emotional analysis:

* + Utilized j-hartmann/emotion-english-distilroberta-base model to identify moods from song lyrics
  + Spotify-inspired frontend with AJAX for seamless user interaction
  + Django backend managing music database (title, artist, photo, lyrics)
  + Enhanced music discovery via NLP-based emotional alignment

# SKILLS

**Languages:** Python, JavaScript, HTML, CSS

**Frameworks:** Django

**Databases:** MongoDB

**IoT:** LoRa, Arduino, ESP, MQTT, Embedded Systems

**Tools:** Tailwind CSS, Git, VS Code

**Platforms:** Linux, Windows

**Cloud:** AWS , Docker , Virtual Machine

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| **EDUCATION** |  | |
| **B.Voc (Internet of Things)**  *Dayalbagh Educational Institute, Agra* | **XII (U.P Board)** | 2023 – 2026  2023 |
| *M.D Jain Inter College, Agra* |  |  |
| **CERTIFICATIONS** |  |  |

* Certified in “Python” by Data Flair (2024)
* Participated in Smart India Hackathon – Internal Hackathon, DEI (2024)