**HIMANSHU SHARMA**

## **PROFESSIONAL SUMMARY**

Highly motivated and results-oriented IoT undergraduate with proven ability to develop and deploy cloud-based web applications, real-time dashboards, and AI-powered tools. Expertise in Python, Django, JavaScript, and cloud technologies (AWS, Docker, Kubernetes). Seeking challenging internship opportunities in software engineering or cloud development to leverage

## **CORE COMPETENCIES**

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| --- | --- | --- |
| in building scalable and impactful solutions. | SKILLS | Python | Django | JavaScript | HTML | CSS | REST API | AWS (EC2 |
| Lambda | S3) | Docker | Kubernetes | Git | NGINX | Linux | Windows | LoRa | Arduino | ESP32 | MQTT | Embedded Systems |  |

## **PROFESSIONAL EXPERIENCE**

**PROJECTS**

**AI** - Powered Resume Analyzer

* Developed an AI-powered tool to analyze and enhance resumes using Google Gemini API, providing real-time feedback.
* Implemented LLM-powered NLP techniques for resume content analysis and improvement suggestions.
* Supported PDF and DOCX formats using PyMuPDF and python-docx libraries.
* Integrated a modern UI using TailwindCSS and Animate.css for enhanced user experience.
* Deployed the application on AWS, leveraging EC2, S3, and Lambda for scalable infrastructure.

**Device Management Dashboard (Docker/VM Deployment)**

* Built a LoRa device monitoring system with real-time data charts and alerts, enhancing operational visibility.
* Implemented multi-role login for secure access and user management.
* Developed sensor visualizations and email notifications for proactive monitoring and issue resolution.
* Utilized Django, JavaScript, and TailwindCSS for robust application development.
* Deployed the system using Docker within a virtual machine for efficient resource utilization.

**Ch** - bot with Ollama & Django

* Created a privacy-focused chatbot using a local LLM powered by Ollama, ensuring data security.
* Enabled real-time conversations using Django Channels and WebSockets for seamless user interaction.
* Leveraged Django, TailwindCSS, and JavaScript for efficient application development.

**Music Mood Streaming App (Docker Deployment)**

* Developed a music streaming app that recommends songs based on mood analysis from lyrics using HuggingFace Transformers.
* Designed an AJAX-based frontend for a seamless user experience and quick playback functionality.
* Utilized Django, AJAX, NLP, and HuggingFace for application development.

## **EDUCATION**

Bachelor’s in IoT, Dayalbagh Educational Institute, Agra (2023-2026)  
XII (U.P. Board), M.D. Jain Inter College, Agra (2023)