Gajendra Singh

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# Summary

DevOps enthusiast with hands-on experience in building full-stack web applications, real-time IoT sys- tems, and embedded dashboards. Proficient in Django, Python, Docker, and cloud platforms like AWS. Seeking an internship to contribute to high-impact projects using modern DevOps and web development practices.

# Projects

## Lab Component Management Web Application (Deployed in Docker)

* Built a role-based access system (Admin, Lab Staff, Student) with session authentication.
* Enabled booking, resource tracking, and device monitoring with email alerts.
* Responsive UI using Bootstrap and Django; REST API backend with SQLite.
* Technology: Django, Bootstrap, HTML, JavaScript

## Doctor Finder Application (Deployed in AWS EC2)

* Created search and booking system with doctor filtering by specialization and location.
* Role-based access (Admin, Doctor, Patient), media management for profiles.
* Mobile-first responsive layout with email notification for appointments.
* Technology: Django, SQLite, HTML, Bootstrap

## AI Music Emotion Streaming App (Deployed in AWS EC2)

* Emotion-based music suggestion system using Django backend.
* AJAX-powered player UI with real-time playback and mood detection.
* Media file handling for music and profile management.
* Technology: Django, JavaScript, SQLite, AJAX

# Skills

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

**Frameworks:** Django

**Databases:** MySQL, MongoDB

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

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

**Platforms:** Linux, Windows

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

# Education

**B.Voc (Internet of Things)** *2023–2026*

Dayalbagh Educational Institute, Agra

## Class XII (U.P. Board) *2022*

Radha Ballabh Inter College, Shahganj, Agra