Gajendra Singh

gajendradei01@gmail.com / +91 8218778514 / GitHub / LinkedIn

Summary

DevOps enthusiast with hands-on experience in building full-stack web applications, real-time IoT systems, 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 AWS EC2)

- 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 Docker)

- 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