Internship Report

Project Title: BookMyShow Clone – Full Stack Movie Ticket Booking App

Intern Name: M RAJARAJAN

Duration: May 2025 – June 2025

Company/Organization: NullClass – Online Internship Platform

Self-Initiated Academic Internship (Remote)

1. Introduction

This internship focused on developing a full-stack clone of BookMyShow using Django and deploying it on Vercel. The project aimed to simulate a real-world ticket booking platform, integrating database design, user authentication, and modern web deployment.

2. Background

As a computer science student, I undertook this internship to gain practical knowledge in building dynamic web applications. Having learned Python and web fundamentals in coursework, I wanted to build a real-world application and understand backend logic, frontend integration, and cloud deployment.

3. Learning Objectives

• Design and implement a full-stack web application.

• Use Django for backend development and MVC architecture.

• Implement booking logic and seat availability tracking.

• Deploy and troubleshoot Python-based projects on Vercel.

4. Activities and Tasks

• Created Django models for movies, theatres, shows, and bookings.

• Implemented user authentication and session-based seat reservations.

• Developed views and templates using Django's templating engine.

• Handled serverless deployment on Vercel and resolved import/module issues.

• Configured static files and favicon handling in deployment.

5. Skills and Competencies

Technical Skills:

• Django Framework

• SQLite / Django ORM

• HTML, CSS, Bootstrap

• Deployment with Vercel

• Debugging serverless functions

Soft Skills:

• Problem-solving

• Time and task management

• Technical documentation

6. Feedback and Evidence

The final application ran successfully on Vercel with full booking and movie listing functionality. Feedback was positive from peers and reviewers, especially on the clarity of the booking process. Evidence includes:

• Live URL: https://bookmyshow-internship.vercel.app/

• Screenshots: Booking flow, admin panel, and deployment logs.

7. Challenges and Solutions

• Error: ModuleNotFoundError due to incorrect URL import:

Fix: Replaced include('https://...') with correct module path (include('app.urls')).

• Serverless 400 Error on Vercel

Fix: Checked logs, ensured correct URL routing, added valid views, and configured static file references properly.

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8. Outcomes and Impact

This internship enabled me to complete a full-stack deployment cycle—from backend logic to cloud hosting.I learnt many new concepts. It reinforced my understanding of MVC frameworks, improved debugging skills, and helped me explore serverless platforms like Vercel.

9. Conclusion

The internship was a valuable experience in turning theoretical knowledge into a practical web application. I gained confidence in backend development and deployment, and am now more prepared for real-world development scenarios.