Overview

My name is Ammar, a backend developer and senior student at the Faculty of Computers and Artificial Intelligence, Cairo University. I developed this full-stack event booking system as part of a task assigned to me. This documentation details the system's features, technologies used, and deployment.

Technologies Used

- **Backend:** Node.js with **Express.js**, **MongoDB** for the database
- **Frontend:** Next.js (React framework)
- **Deployment:**
  - Backend deployed on **DigitalOcean** Droplet with S3 storage for event images
  - Frontend deployed on **Netlify**

Features

Required Features

- User Authentication: Register, login (no forgot password feature)
- Event Listings: Events displayed in a grid/flexbox layout, "Booked" label shown for already booked events
- Event Details Page: Full event info with booking functionality and redirection to a Congratulations page
- Admin Panel: CRUD operations on events, user role management (Admin, User)
- UI: Custom responsive design for web (no mobile design required)

Nice to Have (Implemented)

- Role-based permissions
- Event categories and tags
- Event image upload
- Pagination / lazy loading

- Responsive design

Bonus Features (Implemented)

- Backend deployed on DigitalOcean
- Multi-language support (English/Arabic) → backend only
- Unit testing

Access Information

- GitHub Repository: Link
- Live Website URL: Link
- Swagger URL: Link

Admin Credentials

- email: admin@gmail.com
- Password: 12345678

LinkedIn Profile
Link

Final Notes
I hope this event booking system meets professional standards and delivers a seamless, user-friendly experience.