WEBX-CA REPORT

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Class Roll No	**D15A_49**
D.O.P.	**20/3/2025**
D.O.S.	**27/3/2025**
Sign and Grade	

Title: Upnest

Project Description:

UpNest is a full-stack web application designed to empower learners by recommending skills tailored to their interests and allowing them to explore diverse learning areas. The platform also enables users to discover and participate in active hackathons, enhancing practical exposure and collaboration.

The application focuses on a personalized user experience through features like skill suggestions, hackathon listings, OTP-based authentication, and dynamic user dashboards. With a seamless interface and efficient backend logic, UpNest helps users streamline their upskilling journey.

Technologies Used:

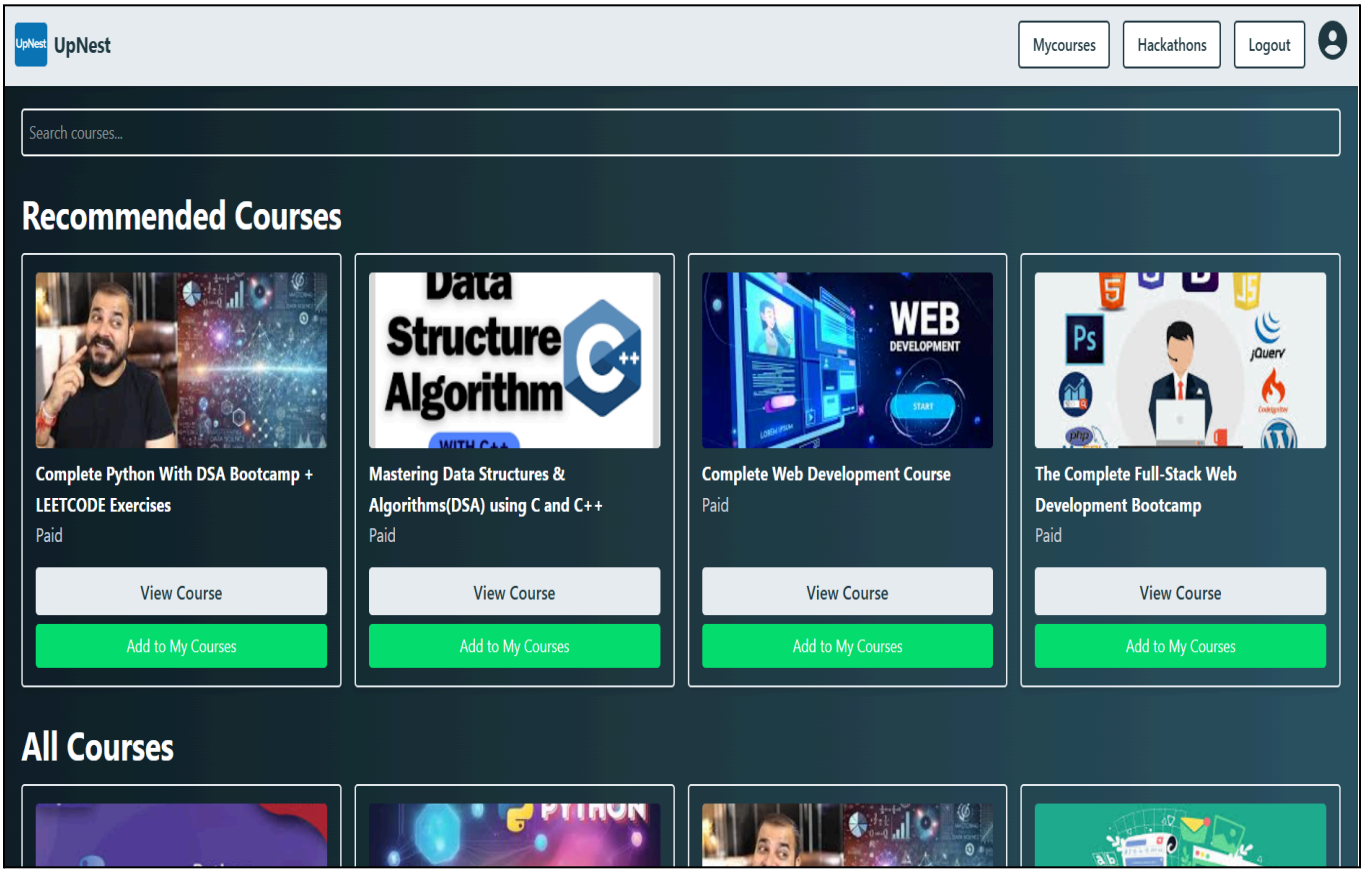
- **Frontend:** React.js, TypeScript, Tailwind CSS
- **Backend:** Flask (Python)
- **Database:** MongoDB Atlas
- **Tools & Platforms:** VS Code, Postman

Features Implemented:

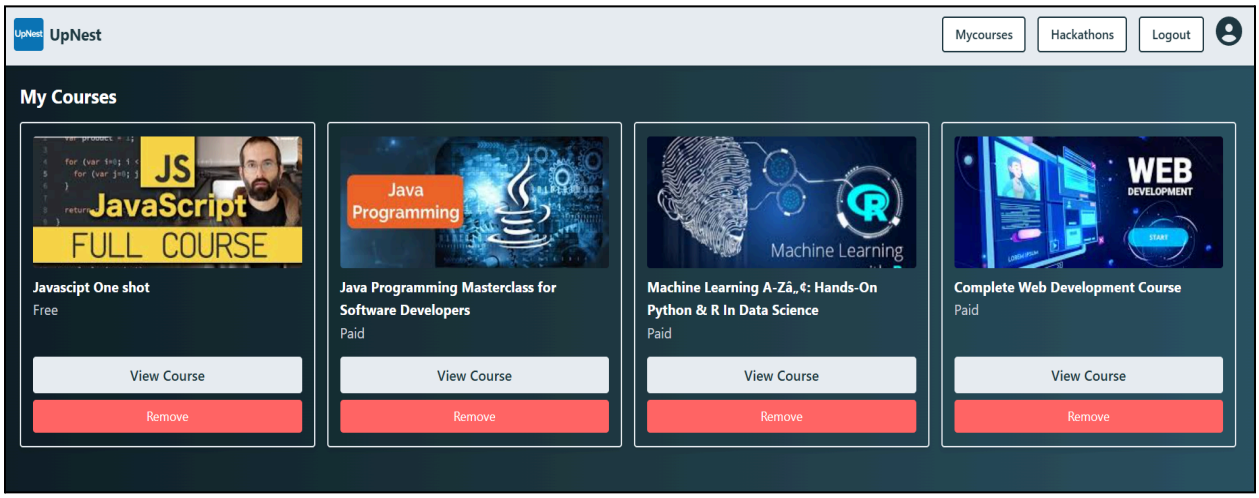
- AI-powered skill recommendations
- Hackathon participation and listing
- OTP-based secure authentication
- Personalized learning dashboard
- Seamless profile-based navigation

Output:

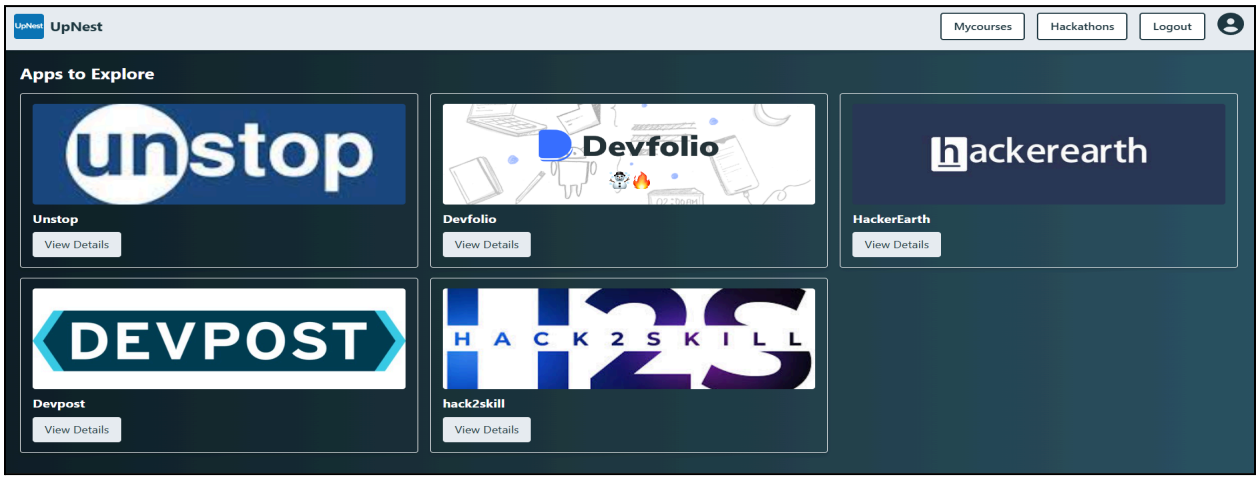
Courses page:

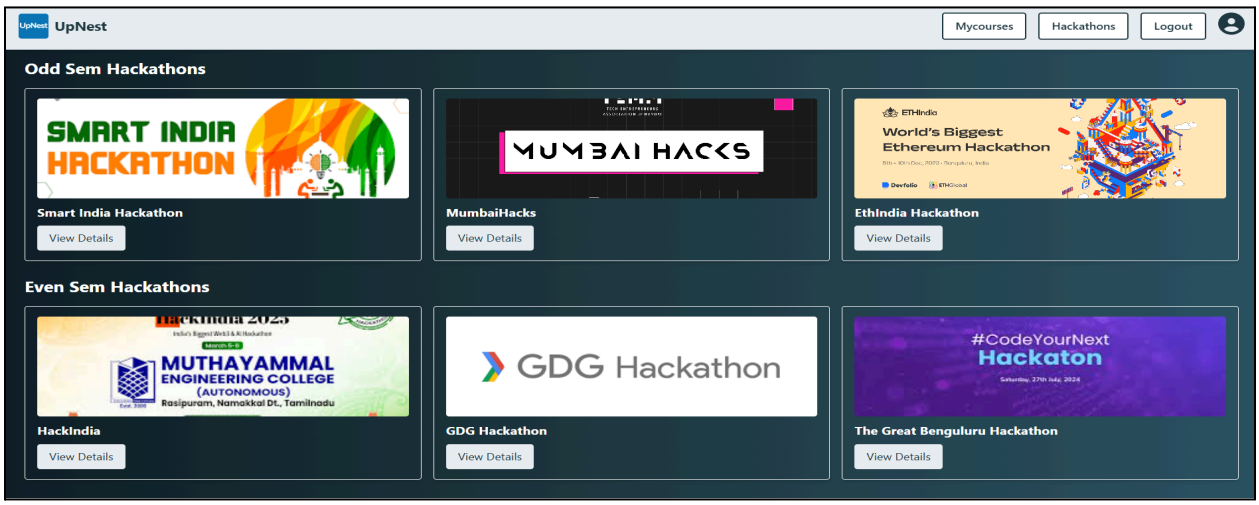


Mycourses page:

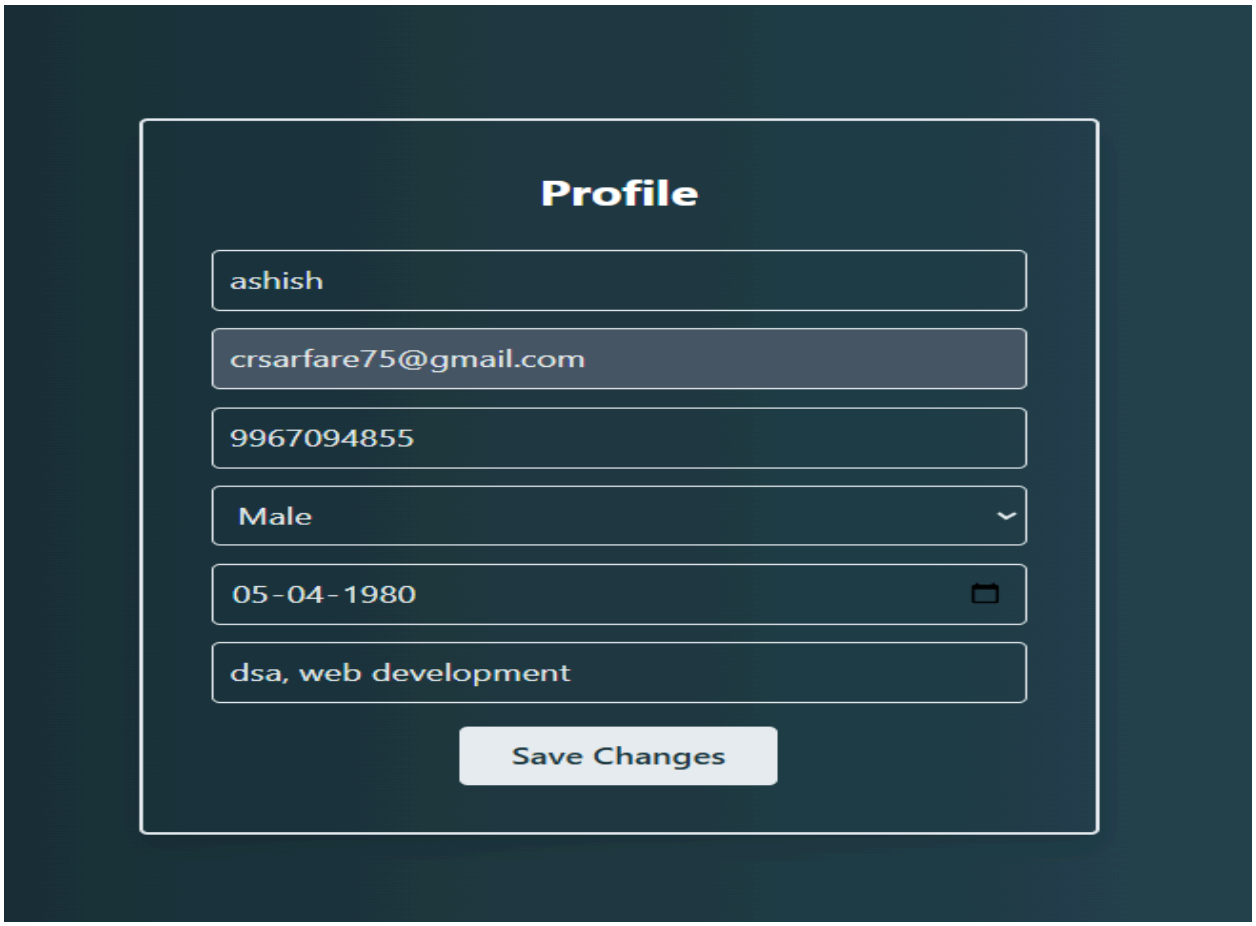


Hackathons page:





Profile Page:



Conclusion:

Built a full-stack skill enhancement platform successfully using React, Flask, and MongoDB. The platform allows users to explore and get recommended skills, participate in hackathons, and manage their personalized learning. We implemented secure user authentication, OTP verification, and stored user-specific course data in the database. All essential CRUD operations are fully functional, ensuring a smooth and dynamic user experience.