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Class Roll No	D15A_62
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TITLE : INTERNIX(INTERNSHIP MANAGEMENT)

PROJECT DESCRIPTION

This project is a Fullstack Technical Interview Practice module developed using Flask, MongoDB, React, and TypeScript. It is a career preparation feature integrated into **Internix – Internship Management System**, designed to help students effectively prepare for and secure internships through structured assessments and progress tracking.

The system includes secure **frontend and backend authentication**, ensuring safe login and role-based access for both students and recruiters. The backend is built using **Flask (Python)** to handle API requests, manage business logic, and communicate with the database. **MongoDB** is used for storing user profiles, preparation progress, interview history, and other relevant data. This architecture enables smooth interaction between users and the platform, supporting features like mock interview scheduling and performance monitoring.

TECHNOLOGIES USED

- **Frontend:** JavaScript, html Jinja template, bootstrap
- **Backend:** Flask (Python)
- **Database:** MongoDB (Atlas)
- **Development Tools:** VS Code, Postman, Git

IMPLEMENTATION

User Authentication & Access Control: Internix includes secure login and signup functionality for both students and recruiters. Role-based access ensures that each user has access to relevant features and data.
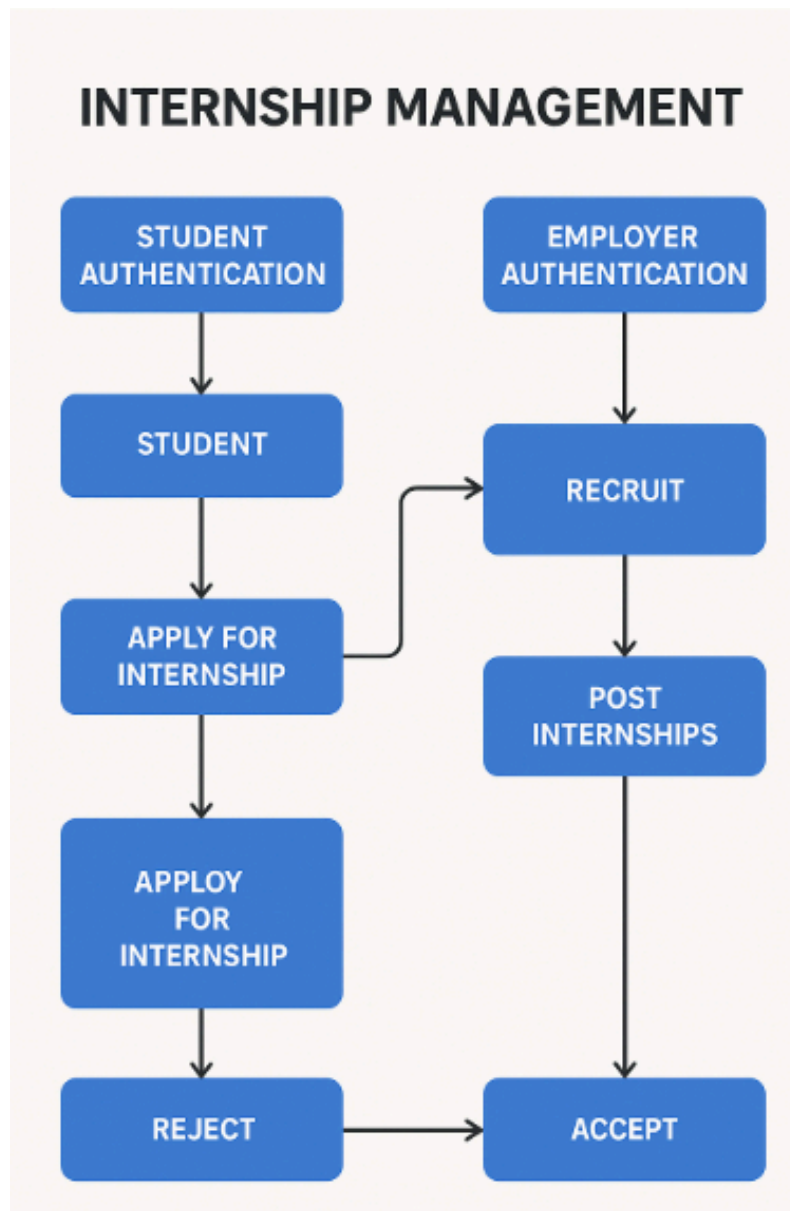
Company & Internship Management: Recruiters can create and manage their companies within the platform. Through these companies, they can post internship opportunities, define eligibility criteria, and track applications.

Multi-Modal Answer Input: Applicants can answer questions either by typing or speaking, with integrated speech-to-text support for voice responses — enhancing accessibility and flexibility.

Application Workflow: Students can browse internships, view detailed job descriptions, and apply directly through the portal. Recruiters can review applications and either accept or reject candidates through a streamlined dashboard.

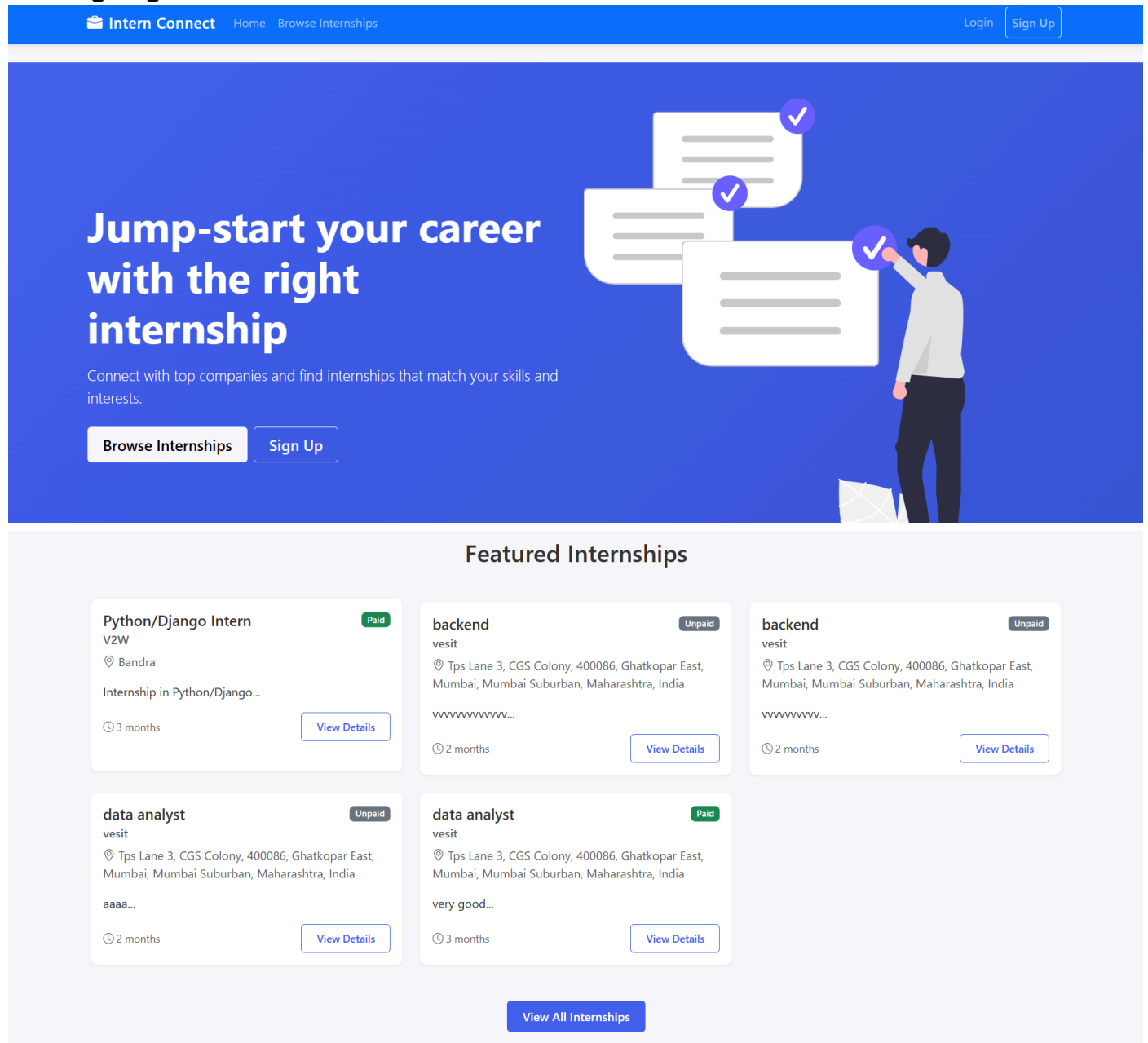**GITHUB LINK** - **https://github.com/VedangWajge/WebX_Flask**

Flow Diagram:

INTERNSHIP MANAGEMENT

STUDENT AUTHENTICATION

EMPLOYER AUTHENTICATION

STUDENT

RECRUIT

APPLY FOR INTERNSHIP

POST INTERNSHIPS

APPLOY FOR INTERNSHIP

REJECT

ACCEPT

OUTPUT:

Landing Page:

| | Intern Connect | Home | Browse Internships | | | Login | Sign Up |

Jump-start your career with the right internship

Connect with top companies and find internships that match your skills and interests.

Browse Internships | **Sign Up**

Featured Internships

Python/Django Intern — `Paid`
V2W
Bandra
Internship in Python/Django...
🕐 3 months | **View Details**

backend — `Unpaid`
vesit
Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
vvvvvvvvvvv...
🕐 2 months | **View Details**

backend — `Unpaid`
vesit
Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
vvvvvvvvv...
🕐 2 months | **View Details**

data analyst — `Unpaid`
vesit
Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
aaaa...
🕐 2 months | **View Details**

data analyst — `Paid`
vesit
Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
very good...
🕐 3 months | **View Details**

View All Internships

Auth Page:

Create an Account

[Student] Employer

Full Name

Email Address

Password

University/College

Major/Field of Study   Expected Graduation Year

Create Student Account

Already have an account? Login here

Student Registration

Login to Your Account

Email Address

2022.diksha.utekar@ves.ac.in

Password

••••••••

☐ Remember me

Login

Don't have an account? Register here

Forgot your password?

Login page

Dashboard Page:

Student Dashboard

My Applications

Internship	Company	Status	Actions
Python/Django Intern	V2W	Pending	View

Recommended for You

engineer
technix · VESIMSR (Vivekanand Education Society's Institute Of Management Studies And Research), 495/497, Collector's Colony, Wadivali Village, Mumbai, Maharashtra 400074, India
🕐 3 months

data analyst
vesit · Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
🕐 3 months · $ Paid

data analyst
vesit · Tps Lane 3, CGS Colony, 400086, Ghatkopar East, Mumbai, Mumbai Suburban, Maharashtra, India
🕐 2 months

Student Dashboard

Login successful! ✕

Employer Dashboard

+ Post New Internship

My Internship Listings

Title	Posted Date	Deadline	Applications	Status	Actions
Python/Django Intern	Apr 16, 2025	May 01, 2025	2 applications	Active	Actions ▾

Dashboard Summary

1	0	0
Internships	Applications	Active

Recent Applications

No recent applications to show.

Employer Dashboard

CONCLUSION:

The Internship Management System simplifies and enhances the internship process by offering a unified platform for students and employers. By enabling secure authentication, streamlined internship postings, and a structured application workflow, the system bridges the gap between opportunity and talent. Students can seamlessly browse and apply for internships, while employers can efficiently post opportunities and manage applications through accept or reject actions. This system promotes transparency, reduces administrative overhead, and fosters meaningful professional connections, making it a reliable and efficient tool for managing internship programs.