Implementation of *InternTrack* Full Stack Web Application

UCS2601 - Internet Programming

Mini Project

Submitted By

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Introduction

This project is a full stack web application developed to streamline and manage the internship records of students in an academic setting. The main goal of the system is to provide coordinators with an intuitive and efficient platform to track, view, filter, and manage internship-related data. Built using React for the frontend and integrated with a backend API for database interactions, the system allows coordinators to search for individual student records, view all submissions, apply filters based on company, location, or source of internship, and delete records if necessary. The user interface is designed for simplicity and clarity, making it easy to navigate through various functionalities. This project not only simplifies the administrative workload but also ensures that all relevant documents and statuses related to each internship are properly tracked and accessible.

Purpose

The primary purpose of this project is to simplify and digitize the process of managing student internship records within an educational institution. Traditionally, maintaining these records involved manual entry, scattered data, and difficulty in retrieving specific information. This system aims to overcome these challenges by offering a centralized digital platform where internship details can be securely stored, easily accessed, and efficiently managed by the coordinator. It enables quick searching by registration number, filtering based on various criteria such as location, company, or source of internship, and ensures that proof documents like offer letters and completion certificates are tracked. Ultimately, the project is designed to improve accuracy, save time, reduce paperwork, and provide a smoother experience for both coordinators and students.

Scope

The scope of this project encompasses the development of a full-stack web application specifically designed for college coordinators to manage and monitor internship records of students. The system allows for the collection, display, filtering, searching, and deletion of internship-related data, including company details, duration, location, and proof documents. It is designed to be user-friendly, scalable, and adaptable to various departments within the institution. The application supports role-based access, ensuring that only authorized users can modify or view sensitive information. Furthermore, the system is flexible enough to be extended with features like PDF generation of reports, analytics dashboards, or integration with external portals. Overall, this project serves as a foundation for digital transformation in internship tracking and administration.

Technology Used

Frontend:

- React.js
- React Router
- JavaScript
- HTML
- CSS (with inline styling or custom CSS files)

Backend

- Node.js
- Express.js

API Communication:

Axios (for HTTP requests)

Database:

Mongoose (MongoDB ODM)

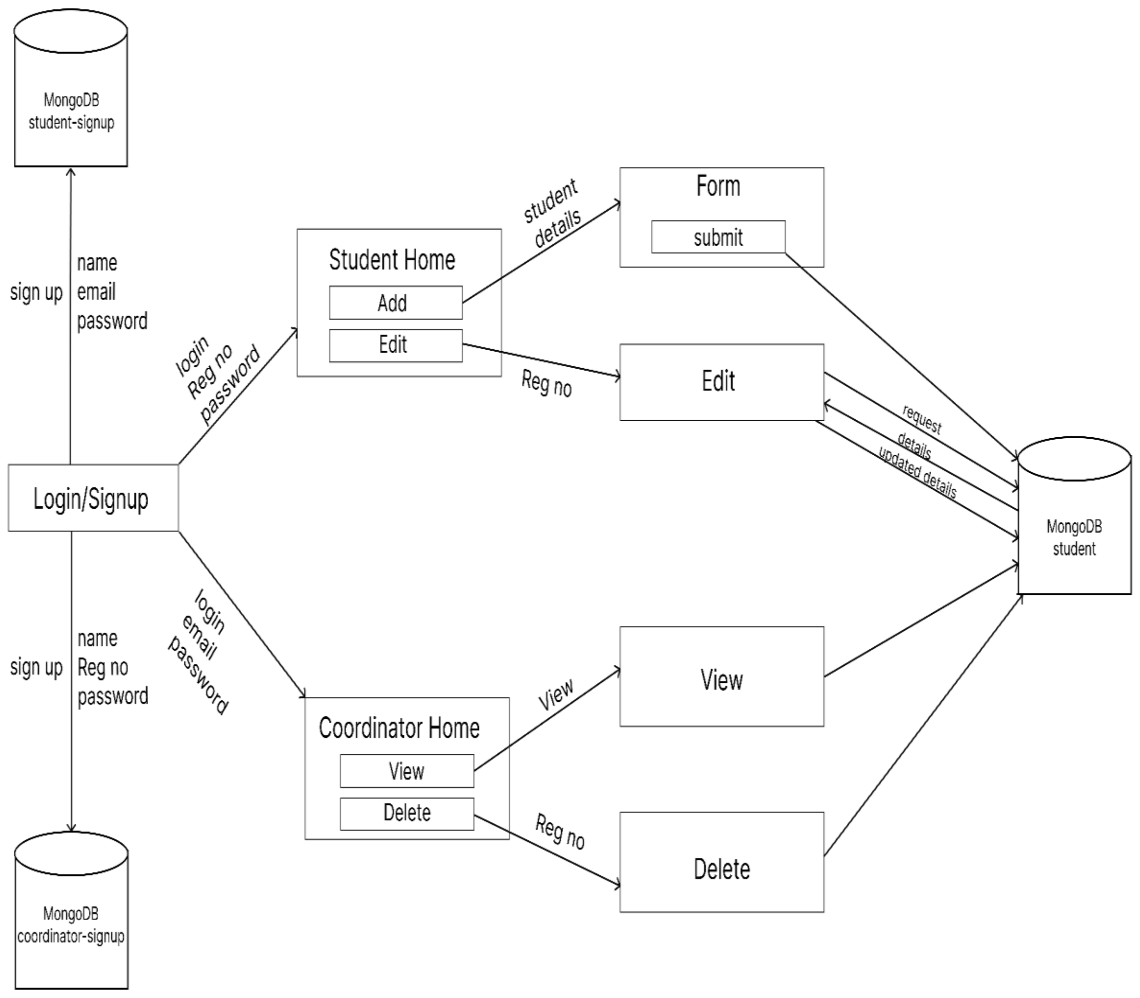
Authentication:

- JSON Web Token (JWT)
- CORS (Cross-Origin Resource Sharing)

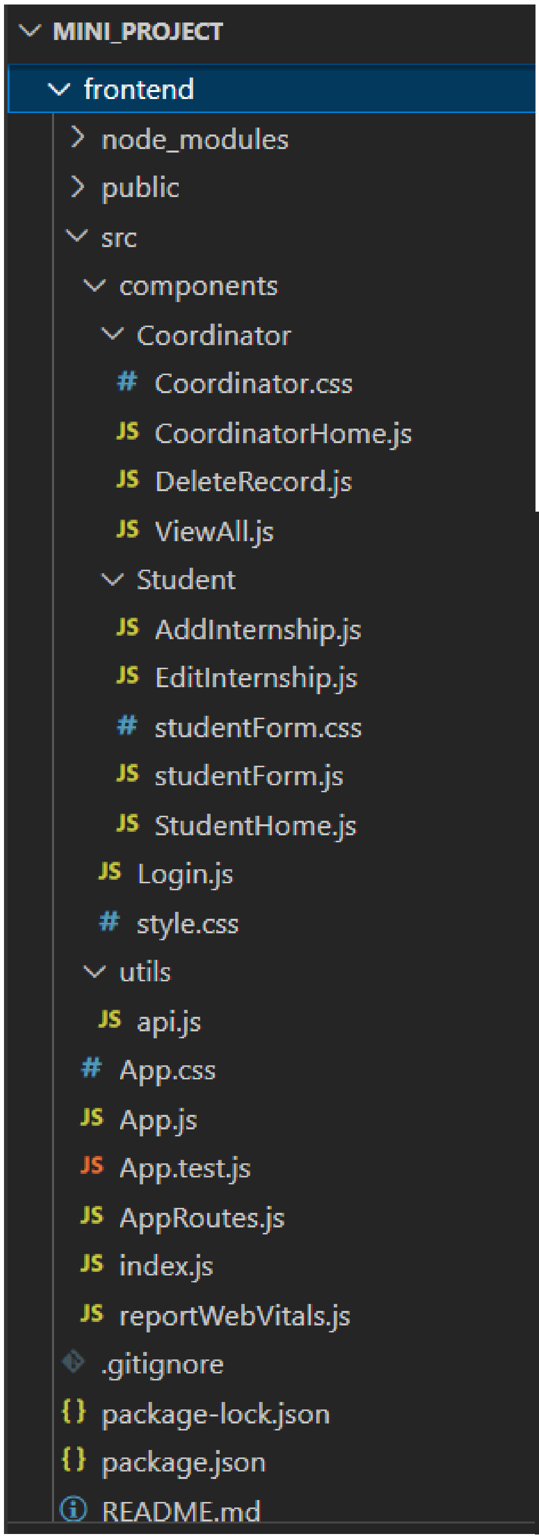
Development Tools:

- Visual Studio Code (VS Code)
- Postman (for API testing)

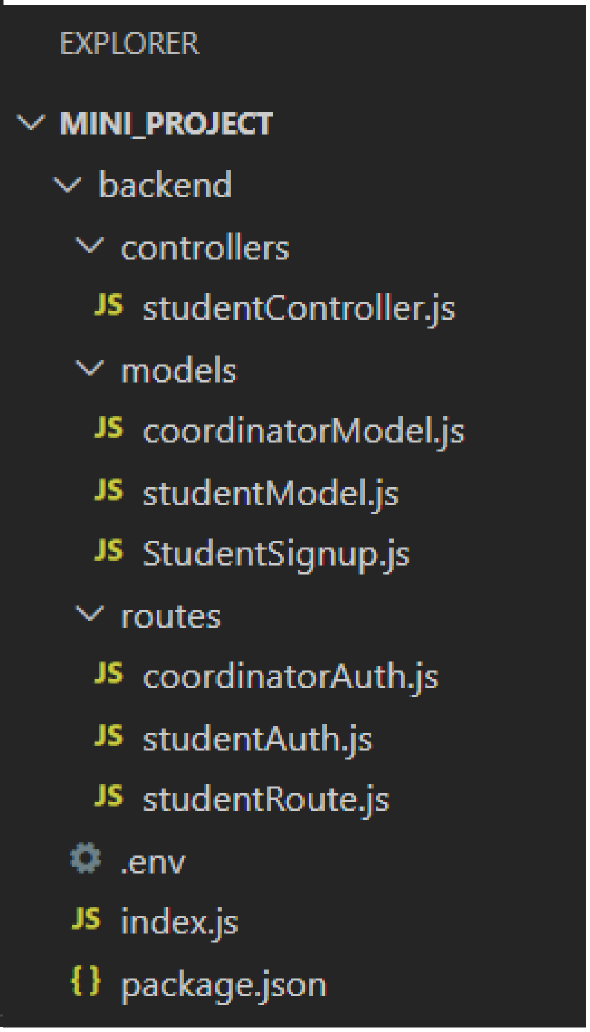
Page Flow


MongoDB student-signup
sign up
name
email
password
Login/Signup
login
Reg no
password
Student Home
Add
Edit
student details
Form
submit
Reg no
Edit
request
details
updated details
MongoDB student
login
email
password
sign up
name
Reg no
password
Coordinator Home
View
Delete
View
View
Reg no
Delete
MongoDB coordinator-signup

Folder Structure



```
MINI_PROJECT
  frontend
    node_modules
    public
    src
      components
        Coordinator
          Coordinator.css
          CoordinatorHome.js
          DeleteRecord.js
          ViewAll.js
        Student
          AddInternship.js
          EditInternship.js
          studentForm.css
          studentForm.js
          StudentHome.js
        Login.js
        style.css
      utils
        api.js
      App.css
      App.js
      App.test.js
      AppRoutes.js
      index.js
      reportWebVitals.js
    .gitignore
    package-lock.json
    package.json
    README.md
```



```
EXPLORER
MINI_PROJECT
  backend
    controllers
      studentController.js
    models
      coordinatorModel.js
      studentModel.js
      StudentSignup.js
    routes
      coordinatorAuth.js
      studentAuth.js
      studentRoute.js
    .env
    index.js
    package.json
```

Implementation

Frontend (React)

1. Developed using React to build a responsive and user-friendly interface for the internship coordinator.
2. Used useState for managing form inputs and storing fetched student data.
3. Implemented React Router for navigation between different pages such as:
    a. Coordinator Home
    b. View All Students
    c. Delete a Record
4. Axios was used to send HTTP requests (GET, DELETE) to the backend API.
5. Search functionality implemented to find students based on registration number.
6. Filters were added to view records based on:
    a. Internship Source (College / Own)
    b. Location (India / Abroad)
    c. Company name (using prompt input)
7. Table used to display student details in a structured format with proof links.
8. Basic styling handled using inline CSS and optional custom CSS file.

Backend (Node.js + Express.js)

1. Backend server built using Node.js with Express.js framework to handle routing and logic.
2. Created RESTful API endpoints such as:
    a. GET / – Fetch all student records
    b. DELETE /:id – Delete a specific student record by ID
3. MongoDB used to store student internship records as documents in a collection.

4. Used Mongoose to interact with MongoDB, define schema, and perform queries.
5. JSON used as the format for data exchange between frontend and backend.
6. CORS configured to allow cross-origin requests from the React frontend.
7. JWT (JSON Web Token) used for secure authentication and access control

1. Frontend

App.js

```
import React from "react";
import { BrowserRouter as Router, Routes, Route } from "react-router-dom";
import Login from "./components/Login";
import StudentHome from "./components/Student/StudentHome";
import AddInternship from "./components/Student/AddInternship";
import EditInternship from "./components/Student/EditInternship";
import CoordinatorHome from "./components/Coordinator/CoordinatorHome";
import ViewAll from "./components/Coordinator/ViewAll";
import DeleteRecord from "./components/Coordinator/DeleteRecord";

export default function App() {
  return (
    <Router>
      <Routes>
        <Route path="/" element={<Login />} />
        <Route path="/student/home" element={<StudentHome />} />
        <Route path="/student/add" element={<AddInternship />} />
        <Route path="/student/edit" element={<EditInternship />} />
        <Route path="/coordinator/home" element={<CoordinatorHome />} />
        <Route path="/coordinator/view" element={<ViewAll />} />
        <Route path="/coordinator/delete" element={<DeleteRecord />} />
      </Routes>
    </Router>
  );
}
```

api.js

```
import axios from "axios";
const api = axios.create({
  baseURL: "http://localhost:5000/api/students",
});
export default api;
```

Login.js

```
import React, { useState } from "react";
import { useNavigate } from "react-router-dom";
import axios from "axios";
import "./style.css";

export default function LoginSignup() {
  const [role, setRole] = useState("");
  const [mode, setMode] = useState("login");
  const navigate = useNavigate();
  const handleSubmit = async (e) => {
    e.preventDefault();
    const form = e.target;
    const reg_no = form.reg_no?.value;
    const email = form.email?.value;
    const password = form.password.value;
    const name = form.name?.value;
    try {
      let endpoint = "";
      if (role === "student") {
        endpoint = "http://localhost:5000/api/auth";
      } else if (role === "coordinator") {
        endpoint = "http://localhost:5000/api/coordinator";
      }
      if (mode === "signup") {
        const data =
          role === "student"
            ? { reg_no, password, name }
            : { email, password, name };
        await axios.post(`${endpoint}/signup`, data);
        alert(`${role.charAt(0).toUpperCase()  +  role.slice(1)}  signup
successful!`);

      } else {
        const data =
          role === "student"
            ? { reg_no, password }
            : { email, password };

        const res = await axios.post(`${endpoint}/login`, data);

        if (res.data.success) {
          if (role === "student") {
            localStorage.setItem("reg_no", reg_no);
            navigate("/student/home");
          } else {
            localStorage.setItem("coordinator_email", email);
            navigate("/coordinator/home");
          }
        }
      }
    } catch (err) {
      alert("Error: " + (err.response?.data?.message || err.message));
    }
  };

  return (
    <div className="login-container">
      <h2 className="login-title">InternTrack Login / Signup</h2>

      <div className="role-buttons">
        <button
          className={`role-button ${role === "student" ? "active" : ""}`}
          onClick={() => setRole("student")}
        >
          Student
        </button>
        <button
```

```
          className={`role-button ${role === "coordinator" ? "active" :
""}`}
          onClick={() => setRole("coordinator")}
        >
          Coordinator
        </button>
      </div>

      {role && (
        <>
          <div className="mode-buttons">
            <button
              className={`mode-button ${mode === "login" ? "active" :
""}`}
              onClick={() => setMode("login")}
            >
              Login
            </button>
            <button
              className={`mode-button ${mode === "signup" ? "active" :
""}`}
              onClick={() => setMode("signup")}
            >
              Signup
            </button>
          </div>

          <form className="login-form" onSubmit={handleSubmit}>
            {mode === "signup" && (
              <div className="form-group">
                <label>Name:</label>
                <input type="text" name="name" required className="form-
input" />
              </div>
            )}

            {role === "student" && (
              <div className="form-group">
                <label>Register No:</label>
                <input type="text" name="reg_no" required
className="form-input" />
              </div>
            )}

            {role === "coordinator" && (
              <div className="form-group">
                <label>Email:</label>
                <input type="email" name="email" required
className="form-input" />
              </div>
            )}

            <div className="form-group">
              <label>Password:</label>
              <input type="password" name="password" required
className="form-input" />
            </div>

            <button type="submit" className="submit-button">
              {mode === "login" ? "Login" : "Signup"}
            </button>
          </form>
        </>
      )}
    </div>
  );
}
```

StudentHome.js

```
import React from "react";
import { useNavigate } from "react-router-dom";
export default function StudentHome() {
  const navigate = useNavigate();
  const containerStyle = {
    padding: "20px",
  };
  const headingStyle = {
    fontSize: "24px",
    color: "#6a0dad",
    marginBottom: "20px",
  };
  const buttonStyle = {
    margin: "10px",
    padding: "10px 20px",
    color: "white",
    border: "none",
    cursor: "pointer",
    fontSize: "16px",
    borderRadius: "4px",
  };
  const handleSignOut = () => {
    localStorage.removeItem("student_token");
    navigate("/");
  };
  return (
    <div style={containerStyle}>
      <h2 style={headingStyle}>Student Portal</h2>
      <button
        onClick={() => navigate("/student/add")}
        style={{ ...buttonStyle, backgroundColor: "#9b59b6" }}
      >
        Add Internship Details
      </button>
      <button
        onClick={() => navigate("/student/edit")}
        style={{ ...buttonStyle, backgroundColor: "#9b59b6" }}
      >
        Edit Internship Details
      </button>
      <button
        onClick={handleSignOut}
              style={{ ...buttonStyle, backgroundColor: "#9b59b6" }}
      >
        Sign Out
      </button>
    </div>
  );
}
```

AddInternship.js

```
// src/components/Student/AddInternship.jsx
import React from 'react';
import StudentForm from './studentForm';

const AddInternship = () => {
  return (
    <div>
      <h2>Add Internship Details</h2>
      <StudentForm />
    </div>
  );
};
export default AddInternship;
```

StudentForm.js

```
import React, { useState } from 'react';
import './studentForm.css';
import { useNavigate } from 'react-router-dom';
function AddInternship() {
  const navigate = useNavigate();
  const [formData, setFormData] = useState({
    reg_no: '',
    name: '',
    title: '',
    mobile_no: '',
    section: '',
    obtained_internship: '',
    period: '',
    start_date: '',
    end_date: '',
    company_name: '',
    placement_source: '',
    stipend: '',
    internship_type: '',
    location: '',
    gdrive_folder_link: '',
    proofs: {
      offer_letter: false,
      joining_letter: false,
      completion_certificate: false,
      report: false
    }
  });
  const [message, setMessage] = useState('');
  const [isError, setIsError] = useState(false);
  const handleChange = (e) => {
    const { name, value, type, checked } = e.target;

    if (name.startsWith("proofs")) {
      const proofKey = name.match(/\[(.*?)\]/)[1];
      setFormData(prev => ({
        ...prev,
        proofs: {
          ...prev.proofs,
          [proofKey]: checked
        }
      }));
    } else {
      setFormData(prev => ({
        ...prev,
        [name]: type === "checkbox" ? checked : value
      }));
    }
  };
  const handleSubmit = async (e) => {
    e.preventDefault();

    try {
      const              checkResponse              =              await
fetch('http://localhost:5000/api/students');
      const students = await checkResponse.json();
      const alreadyExists = students.some(student => student.reg_no ===
formData.reg_no);

      if (alreadyExists) {
        setMessage('A student with this Registration Number already
exists.');
        setIsError(true);
        return;
      }

      const response = await
fetch('http://localhost:5000/api/students/create', {
        method: 'POST',
        headers: {
          'Content-Type': 'application/json',
        },
        body: JSON.stringify(formData),
      });
      const data = await response.json();

      if (response.ok) {
        setMessage(data.message || 'Form submitted successfully!');
        setIsError(false);
        setFormData({
          reg_no: '',
          name: '',
          title: '',
          mobile_no: '',
          section: '',
          obtained_internship: '',
          period: '',
          start_date: '',
          end_date: '',
          company_name: '',
          placement_source: '',
          stipend: '',
          internship_type: '',
          location: '',
          gdrive_folder_link: '',
          proofs: {
            offer_letter: false,
            joining_letter: false,
            completion_certificate: false,
            report: false
          }
        });
      } else {
        setMessage(data.message || 'Failed to submit');
        setIsError(true);
      }
    } catch (err) {
      console.error('Error submitting form:', err);
      setMessage('Could not connect to server');
      setIsError(true);
    }
  };

  const goToHome = () => {
    navigate('/student/home');
  };
  return (
    <div className="container">
      <h2>Student Internship Form</h2>
      <form onSubmit={handleSubmit}>
        <input type="hidden" name="userType" value="student" />

        <label htmlFor="reg_no">Registration No:</label>
        <input         type="text"         id="reg_no"         name="reg_no"
value={formData.reg_no} onChange={handleChange} required />

        <label htmlFor="name">Name:</label>
        <input  type="text"  id="name"  name="name"  value={formData.name}
onChange={handleChange} required />

        <label htmlFor="title">Title:</label>
        <input type="text" id="title" name="title" value={formData.title}
onChange={handleChange} required />
```

```
        <label htmlFor="mobile_no">Mobile No:</label>
        <input      type="text"      id="mobile_no"      name="mobile_no"
value={formData.mobile_no} onChange={handleChange} required />

        <label htmlFor="section">Section:</label>
        <input        type="text"        id="section"        name="section"
value={formData.section} onChange={handleChange} required />

        <label htmlFor="obtained_internship">Obtained Internship:</label>
        <select    id="obtained_internship"    name="obtained_internship"
value={formData.obtained_internship} onChange={handleChange} required>
          <option value="">Select</option>
          <option value="Yes">Yes</option>
          <option value="No">No</option>
        </select>

        <label htmlFor="period">Period:</label>
        <input        type="text"        id="period"        name="period"
value={formData.period} onChange={handleChange} required />

        <label htmlFor="start_date">Start Date:</label>
        <input      type="date"      id="start_date"      name="start_date"
value={formData.start_date} onChange={handleChange} required />

        <label htmlFor="end_date">End Date:</label>
        <input       type="date"       id="end_date"       name="end_date"
value={formData.end_date} onChange={handleChange} required />

        <label htmlFor="company_name">Company Name:</label>
        <input    type="text"    id="company_name"    name="company_name"
value={formData.company_name} onChange={handleChange} required />

        <label htmlFor="placement_source">Placement Source:</label>
        <select       id="placement_source"       name="placement_source"
value={formData.placement_source} onChange={handleChange} required>
          <option value="">Select</option>
          <option value="College">College</option>
          <option value="Own">Own</option>
        </select>
        <label htmlFor="stipend">Stipend:</label>
        <input      type="number"      id="stipend"      name="stipend"
value={formData.stipend} onChange={handleChange} required />

        <label htmlFor="internship_type">Internship Type:</label>
        <select       id="internship_type"       name="internship_type"
value={formData.internship_type} onChange={handleChange} required>
          <option value="">Select</option>
          <option value="Academics">Academics</option>
          <option value="Industrial">Industrial</option>
        </select>
        <label>Location:</label>
        <input  type="radio"  id="india"  name="location"  value="India"
checked={formData.location === "India"} onChange={handleChange} required
/>
        <label htmlFor="india">India</label>

        <input  type="radio"  id="abroad"  name="location"  value="Abroad"
checked={formData.location === "Abroad"} onChange={handleChange} required
/>
        <label htmlFor="abroad">Abroad</label>

        <fieldset className="proofs-fieldset">
          <legend>Proofs Submitted:</legend>

          <label  htmlFor="gdrive_folder_link">Google  Drive  Folder  Link
(Containing Proofs):</label>
          <input
            type="url"
            id="gdrive_folder_link"
            name="gdrive_folder_link"
            value={formData.gdrive_folder_link}
            onChange={handleChange}
            required
          />

          <div className="proofs-container">
            <label>
              <input     type="checkbox"     name="proofs[offer_letter]"
```

```
checked={formData.proofs.offer_letter} onChange={handleChange} />
              Offer Letter
            </label>
            <label>
              <input     type="checkbox"     name="proofs[joining_letter]"
checked={formData.proofs.joining_letter} onChange={handleChange} />
              Joining Letter
            </label>
            <label>
              <input                                    type="checkbox"
name="proofs[completion_certificate]"
checked={formData.proofs.completion_certificate}  onChange={handleChange}
/>
              Completion Certificate
            </label>
            <label>
              <input         type="checkbox"         name="proofs[report]"
checked={formData.proofs.report} onChange={handleChange} />
              Internship Report
            </label>
          </div>
        </fieldset>

        <button type="submit">Submit</button>
      </form>

      {message && (
        <div id="message" className={isError ? 'error' : ''}>
          {message}
        </div>
      )}
      <button type="button" onClick={goToHome} style={{ marginTop: '20px'
}}>
        Back to Student Home
      </button>
    </div>
  );
}
export default AddInternship;
```

EditInternship.js

```
import React, { useState } from "react";
import api from "../../utils/api";
import { useNavigate } from "react-router-dom";

export default function EditInternship() {
  const navigate = useNavigate();
  const [regNo, setRegNo] = useState("");
  const [formData, setFormData] = useState(null);
  const [message, setMessage] = useState("");
  const fetchData = async () => {
    try {
      const res = await api.get("/");
      const student = res.data.find((s) => s.reg_no === regNo);

      if (student) {
        setFormData(student);
        setMessage("");
      } else {
        setFormData(null);
        setMessage("Student not found");
      }
    } catch (err) {
      console.error(err);
      setMessage("Error fetching data");
    }
  };
  const handleChange = (e) => {
    const { name, value, type, checked } = e.target;
    if (name.startsWith("proofs")) {
      const key = name.split(".")[1];
      setFormData((prev) => ({
        ...prev,
        proofs: {
          ...prev.proofs,
          [key]: checked,
        },
      }));
    } else if (name === "location") {
      setFormData((prev) => ({ ...prev, location: value }));
    } else {
      setFormData((prev) => ({ ...prev, [name]: value }));
    }
  };
  const handleUpdate = async () => {
    try {
      await api.put(`/${formData._id}`, formData);
      setMessage("Details updated successfully");
    } catch (err) {
      console.error(err);
      setMessage("Error updating details");
    }
  };
  const goToHome = () => {
    navigate("/student/home");
  };
  return (
    <div style={{ padding: "20px" }}>
      {!formData ? (
        <div>
          <input
            type="text"
            placeholder="Enter Registration Number"
            value={regNo}
            onChange={(e) => setRegNo(e.target.value)}
            style={{ border: "1px solid #ccc", padding: "8px" }}
          />
          <button
            onClick={fetchData}
            style={{
              marginLeft: "10px",
              padding: "8px 16px",
              backgroundColor: "#9b59b6",
              color: "white",
              border: "none",
            }}
          >
```

```
            Fetch
          </button>
          {message && (
            <p style={{ marginTop: "10px" }}>{message}</p>
          )}
        </div>
      ) : (
        <form style={{ marginTop: "20px" }}>
          <h2 style={{ fontSize: "20px", fontWeight: "bold" }}>
            Edit Internship Details
          </h2>
          <div>
            <label>Name</label>
            <input
              name="name"
              value={formData.name}
              onChange={handleChange}
              style={{
                display: "block",
                border: "1px solid #ccc",
                padding: "8px",
                width: "100%",
              }}
            />
          </div>
          <div>
            <label>Internship Title</label>
            <input
              name="title"
              value={formData.title}
              onChange={handleChange}
              style={{
                display: "block",
                border: "1px solid #ccc",
                padding: "8px",
                width: "100%",
              }}
            />
          </div>
```

```
<div>
  <label>Mobile Number</label>
  <input
    name="mobile_no"
    value={formData.mobile_no}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>Section</label>
  <input
    name="section"
    value={formData.section}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>Internship Period</label>
  <input
    name="period"
    value={formData.period}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>Start Date</label>
  <input
    name="start_date"
    type="date"
    value={formData.start_date}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>End Date</label>
  <input
    name="end_date"
    type="date"
    value={formData.end_date}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>Company Name</label>
  <input
    name="company_name"
    value={formData.company_name}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>GDrive Folder Link</label>
  <input
    name="gdrive_folder_link"
    value={formData.gdrive_folder_link}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  />
</div>
<div>
  <label>Obtained Internship</label>
  <select
    name="obtained_internship"
    value={formData.obtained_internship}
    onChange={handleChange}
    style={{
      display: "block",
      border: "1px solid #ccc",
      padding: "8px",
      width: "100%",
    }}
  >
    <option value="">Select Internship Status</option>
    <option value="Yes">Yes</option>
    <option value="No">No</option>
  </select>
```

```
          </div>
          <div>
            <label>Placement Source</label>
            <select
              name="placement_source"
              value={formData.placement_source}
              onChange={handleChange}
              style={{
                display: "block",
                border: "1px solid #ccc",
                padding: "8px",
                width: "100%",
              }}
            >
              <option value="">Select Source</option>
              <option value="College">College</option>
              <option value="Own">Own</option>
            </select>
          </div>
          <div>
            <label>Stipend</label>
            <input
              name="stipend"
              type="number"
              value={formData.stipend}
              onChange={handleChange}
              style={{
                display: "block",
                border: "1px solid #ccc",
                padding: "8px",
                width: "100%",
              }}
            />
          </div>
          <div>
            <label>Internship Type</label>
            <select
              name="internship_type"
              value={formData.internship_type}
              onChange={handleChange}
              style={{
                display: "block",
                border: "1px solid #ccc",
                padding: "8px",
                width: "100%",
              }}
            >
              <option value="">Select Type</option>
              <option value="Academics">Academics</option>
              <option value="Industrial">Industrial</option>
            </select>
          </div>
          <div>
            <label>Internship Location</label>
            <div>
              <label style={{ marginRight: "20px" }}>
                <input
                  type="radio"
                  name="location"
                  value="India"
                  checked={formData.location === "India"}
                  onChange={handleChange}
                />
                India
              </label>
              <label>
                <input
                  type="radio"
                  name="location"
                  value="Abroad"
                  checked={formData.location === "Abroad"}
                  onChange={handleChange}
                />
                Abroad
              </label>
            </div>
          </div>
```

```
          <div>
            <label      style={{     fontWeight:     "bold"     }}>Proofs
Submitted:</label>
            <label>
              <input
                type="checkbox"
                name="proofs.offer_letter"
                checked={formData.proofs?.offer_letter || false}
                onChange={handleChange}
              />
              Offer Letter
            </label>
            <br />
            <label>
              <input
                type="checkbox"
                name="proofs.joining_letter"
                checked={formData.proofs?.joining_letter || false}
                onChange={handleChange}
              />
              Joining Letter
            </label>
            <br />
            <label>
              <input
                type="checkbox"
                name="proofs.completion_certificate"
                checked={formData.proofs?.completion_certificate      ||
false}
                onChange={handleChange}
              />
              Completion Certificate
            </label>
            <br />
            <label>
              <input
                type="checkbox"
                name="proofs.report"
                checked={formData.proofs?.report || false}
                onChange={handleChange}
              />
              Internship Report
            </label>
          </div>
          <button
            type="button"
            onClick={handleUpdate}
            style={{
              marginTop: "20px",
              padding: "8px 16px",
              backgroundColor: "#9b59b6",
              color: "white",
              border: "none",
            }}
          >
            Update
          </button>
          {message && (
            <p style={{ marginTop: "10px" }}>{message}</p>
          )}
        </form>
      )}
      <button
        type="button"
        onClick={goToHome}
        style={{ marginTop: "20px", padding: "8px 16px", backgroundColor:
"#9b59b6", color: "white", border: "none" }}
      >
        Back to Student Home
      </button>
    </div>
  );
}
```

CoordinatorHome.js

```
import React from "react";
import { useNavigate } from "react-router-dom";
```

```
export default function CoordinatorHome() {
  const navigate = useNavigate();
  const handleSignOut = () => {
    localStorage.removeItem("student_token");
    navigate("/");
  };
  return (
    <div className="container">
      <h2 className="page-title">Coordinator Portal</h2>
      <button
        onClick={() => navigate("/coordinator/view")}
      >
        Show Internship Details
      </button>
      <button
        onClick={() => navigate("/coordinator/delete/")}
      >
        Delete a Internship Detail
      </button>
      <button
        onClick={handleSignOut}
      >
        Sign Out
      </button>
    </div>
  );
}
```

ViewAll.js

```
import React, { useState } from "react";
import { useNavigate } from "react-router-dom";
import api from "../../utils/api";
import "./Coordinator.css";
export default function Coordinator() {
  const [students, setStudents] = useState([]);
  const [allStudents, setAllStudents] = useState([]);
  const [search, setSearch] = useState("");
  const [message, setMessage] = useState("");
  const navigate = useNavigate(); // Hook for navigation
  const fetchData = async () => {
    if (!search.trim()) return;
    try {
      const res = await api.get("/");
      const result = res.data.find((s) => s.reg_no === search.trim());
      if (result) {
        setStudents([result]);
        setMessage("");
      } else {
        setStudents([]);
        setMessage("No student found.");
      }
    } catch (err) {
      console.error(err);
      setMessage("Error fetching data.");
    }
  };
  const displayAll = async () => {
    try {
      const res = await api.get("/");
      setStudents(res.data);
      setAllStudents(res.data); // save for filtering
      setMessage("");
    } catch (err) {
      console.error(err);
      setMessage("Error fetching data.");
    }
  };
  const filterBySource = (source) => {
    const      filtered      =      allStudents.filter(s      =>
s.placement_source?.toLowerCase() === source.toLowerCase());
    setStudents(filtered);
  };
  const filterByLocation = (locationType) => {
    const filtered = allStudents.filter(s =>
      locationType === "India"
        ? s.location?.toLowerCase() === "india"
        : s.location?.toLowerCase() !== "india"
    );
    setStudents(filtered);
  };
  const filterByCompany = () => {
    const company = prompt("Enter company name:");
    if (!company) return;
    const filtered = allStudents.filter(s =>
      s.company_name?.toLowerCase().includes(company.toLowerCase())
    );
    setStudents(filtered);
  };
  return (
    <div>
      <h2>Coordinator - Internship Records</h2>
      <div className="container">
        <input
          type="text"
          value={search}
          onChange={(e) => setSearch(e.target.value)}
          placeholder="Enter Registration Number"
        />
        <button onClick={fetchData}>Search</button>
        <button onClick={displayAll}>View All Students</button>
        {/* Additional Filters */}
        <button     onClick={()     =>     filterBySource("College")}>From
College</button>
        <button onClick={() => filterBySource("Own")}>From Own</button>
        <button onClick={() => filterByLocation("India")}>Internship in
India</button>
        <button onClick={() => filterByLocation("Abroad")}>Internship in
Abroad</button>
        <button      onClick={filterByCompany}>Search      based      on
Company</button>
        {/* Navigation Button */}
        <button onClick={() => navigate("/coordinator/home")}>Back to
Home</button>
      </div>
      {message && <p style={{ color: "red", marginBottom: "10px"
}}>{message}</p>}
```

```
      <table>
        <thead>
          <tr>
            <th>Reg No</th>
            <th>Name</th>
            <th>Title</th>
            <th>Mobile No</th>
            <th>Section</th>
            <th>Obtained Internship?</th>
            <th>Period</th>
            <th>Start Date</th>
            <th>End Date</th>
            <th>Company Name</th>
            <th>Placement Source</th>
            <th>Stipend</th>
            <th>Internship Type</th>
            <th>Location</th>
            <th>Proof Submissions</th>
            <th>Offer Letter?</th>
            <th>Joining Letter?</th>
            <th>Completion Certificate?</th>
            <th>Report?</th>
          </tr>
        </thead>
        <tbody>
          {students.map((s) => (
            <tr key={s._id}>
              <td>{s.reg_no}</td>
              <td>{s.name}</td>
              <td>{s.title}</td>
              <td>{s.mobile_no}</td>
              <td>{s.section}</td>
              <td>{s.obtained_internship}</td>
              <td>{s.period}</td>
              <td>{s.start_date}</td>
              <td>{s.end_date}</td>
              <td>{s.company_name}</td>
              <td>{s.placement_source}</td>
              <td>{s.stipend}</td>
              <td>{s.internship_type}</td>
              <td>{s.location}</td>
              <td>
                <a      href={s.gdrive_folder_link}      target="_blank"
rel="noreferrer">
                  View
                </a>
              </td>
              <td>{s.proofs?.offer_letter ? "Yes" : "No"}</td>
              <td>{s.proofs?.joining_letter ? "Yes" : "No"}</td>
              <td>{s.proofs?.completion_certificate ? "Yes" : "No"}</td>
              <td>{s.proofs?.report ? "Yes" : "No"}</td>
            </tr>
          ))}
        </tbody>
      </table>
    </div>
  );
}
```

DeleteRecord.js

```
import React, { useState } from "react";
import { useNavigate } from "react-router-dom";
import api from "../../utils/api";
export default function DeleteRecord() {
  const [regNo, setRegNo] = useState("");
  const navigate = useNavigate(); // for navigation
  const handleDelete = async () => {
    try {
      const res = await api.get("/");
      const match = res.data.find((s) => s.reg_no === regNo);
      if (match) {
        await api.delete(`/${match._id}`);
        alert("Deleted");
        setRegNo("");
      } else {
        alert("Student not found");
      }
    } catch (error) {
      console.error("Error deleting record:", error);
      alert("Something went wrong. Please try again.");
    }
  };
  return (
    <div style={{ padding: "20px", maxWidth: "400px", margin: "auto" }}>
      <h2  style={{  marginBottom:  "10px"  }}>Delete  an  Internship
Record</h2>

      <input
        placeholder="Enter Register Number"
        value={regNo}
        onChange={(e) => setRegNo(e.target.value)}
        style={{
          width: "100%",
          padding: "10px",
          borderRadius: "4px",
          border: "1px solid #ccc",
          marginBottom: "10px",
          fontSize: "16px",
        }}
      />
      <button
        onClick={handleDelete}
        style={{
          padding: "10px 20px",
          backgroundColor: "#9b59b6",
          color: "white",
          border: "none",
          borderRadius: "4px",
          fontSize: "16px",
          cursor: "pointer",
          marginRight: "10px",
        }}
      >
        Delete
      </button>
      <button
        onClick={() => navigate("/coordinator/home")}
        style={{
          padding: "10px 20px",
          backgroundColor: "#9b59b6",
          color: "white",
          border: "none",
          borderRadius: "4px",
          fontSize: "16px",
          cursor: "pointer",
        }}
      >
        Back to Home
      </button>
    </div>
  );
}
```

style.css

```
/* General Body Styling */
body {
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background: linear-gradient(to right, #fdf7ff, #e8dbf5);
  margin: 0;
  padding: 20px;
  color: #3c2a4d;
}
/* Wrapper for Centered Pages */
.wrapper {
  display: flex;
  justify-content: center;
  align-items: center;
  flex-direction: column;
  min-height: 100vh;
  padding: 40px 20px;
}
/* Card / Container Styling */
.container,
.login-container {
  background: #ffffff;
  padding: 40px;
  border-radius: 12px;
  max-width: 700px;
  width: 100%;
  margin: 40px auto;
  box-shadow: 0 8px 24px rgba(106, 76, 156, 0.1);
}
/* Titles and Headings */
h2,
.login-title {
  text-align: center;
  font-size: 30px;
  color: #6a4c9c;
  margin-bottom: 30px;
  font-weight: 600;
}
/* Form Styling */
form {
  width: 100%;
  max-width: 600px;
  background: #f9f6fb;
  padding: 35px;
  border-radius: 12px;
  font-size: 16px;
  box-shadow: 0 4px 20px rgba(155, 89, 182, 0.1);
}
/* Labels */
label {
  font-weight: 500;
  color: #5d3b8c;
  display: block;
  margin-bottom: 8px;
}
/* Inputs and Selects */
input[type="text"],
input[type="url"],
input[type="password"],
```

```css
input[type="email"],
input[type="number"],
input[type="date"],
select,
textarea {
  width: 100%;
  padding: 14px;
  margin-bottom: 18px;
  font-size: 15px;
  border: 1px solid #d3cce3;
  border-radius: 8px;
  background-color: #fff;
  transition: all 0.3s ease-in-out;
  box-sizing: border-box;
}
input:focus,
select:focus,
textarea:focus {
  border-color: #9b59b6;
  box-shadow: 0 0 6px rgba(155, 89, 182, 0.25);
  outline: none;
}
/* Radio Buttons */
input[type="radio"] {
  width: auto;
  margin-right: 10px;
  transform: scale(1.2);
}
/* Buttons */
button,
.role-button,
.mode-button,
.submit-button {
  width: 100%;
  padding: 14px;
  background: #9b59b6;
  color: #ffffff;
  font-size: 16px;
  border: none;
  border-radius: 8px;
  cursor: pointer;
  font-weight: 500;
  transition: all 0.3s;
  margin-bottom: 20px;
}
button:hover,
.role-button:hover,
.mode-button:hover,
.submit-button:hover {
  background: #8e44ad;
  opacity: 0.95;
}
button:disabled {
  background: #d7c5e6;
  cursor: not-allowed;
}
/* Tables */
table {
  width: 100%;
  margin-top: 30px;
  border-collapse: collapse;
  background-color: #fff;
  box-shadow: 0 4px 16px rgba(106, 76, 156, 0.08);
  border-radius: 10px;
  overflow: hidden;
}
th,
td {
  padding: 14px 16px;
  border: 1px solid #eee;
  text-align: left;
  font-size: 15px;
  word-break: break-word;
}
thead {
  background-color: #9b59b6;
  color: white;
  font-weight: bold;
```

```
}
tbody tr:nth-child(even) {
  background-color: #f8f3fc;
}
tbody tr:hover {
  background-color: #f0e5f9;
  transition: 0.2s;
}
/* Fieldset for Proofs */
.proofs-fieldset {
  border: 2px solid #9b59b6;
  padding: 20px;
  border-radius: 10px;
  margin-bottom: 25px;
  background-color: #fdf7ff;
}

.proofs-fieldset legend {
  font-weight: bold;
  padding: 0 12px;
  font-size: 18px;
  color: #9b59b6;
}
/* Checkboxes */
.proofs-container {
  display: flex;
  flex-wrap: wrap;
  gap: 15px;
  justify-content: flex-start;
  margin-top: 10px;
}
.proofs-container input[type="checkbox"] {
  margin-right: 8px;
  transform: scale(1.1);
}
.proofs-container label {
  font-size: 15px;
  color: #5d3b8c;
}
```

```
/* Messages */
#error,
#message {
  font-size: 15px;
  padding: 12px;
  border-radius: 8px;
  text-align: center;
  margin-top: 20px;
}
#error {
  background-color: #fdecea;
  color: #c0392b;
}
#message {
  background-color: #e9f7ef;
  color: #2e7d32;
}

/* Small screens */
@media screen and (max-width: 600px) {
  .container,
  .login-container,
  form {
    padding: 20px;
  }
  table {
    font-size: 14px;
  }
}
```

Backend:

.env

```
PORT = 5000
URL = mongodb://localhost:27017/intern-app
```

index.js

```
import express from 'express';
import mongoose from 'mongoose';
import dotenv from 'dotenv';
import cors from 'cors';
import Student from './models/studentModel.js';
import studentRoutes from './routes/studentRoute.js';
import studentAuthRoutes from './routes/studentAuth.js';
import coordinatorAuthRoutes from './routes/coordinatorAuth.js';
const app = express();
dotenv.config();
// Middleware
app.use(cors());
app.use(express.json());
// Routes
app.use('/api/students', studentRoutes);
app.use('/api/auth', studentAuthRoutes);
app.use("/api/coordinator", coordinatorAuthRoutes);
// Root route (optional)
app.get('/', (req, res) => {
  res.send('InternTrack API is running...');
});
app.get('/api/students', async (req, res) => {
  try {
    const students = await Student.find({});
    res.json(students);
  } catch (err) {
    res.status(500).json({ message: 'Server Error' });
  }
});
// Connect to MongoDB and start server
const PORT = process.env.PORT || 5000;
const MONGO_URL = process.env.URL;
mongoose
  .connect(MONGO_URL, { useNewUrlParser: true, useUnifiedTopology: true
})
  .then(() => {
    console.log(' MongoDB connected');
    app.listen(PORT, () => console.log(`Server running on port ${PORT}`));
  })
  .catch((err) => {
    console.error(' MongoDB connection error:', err.message);
  });
```

StudentModel.js

```
import mongoose from "mongoose";
const proofSchema = new mongoose.Schema({
  offer_letter: Boolean,
  joining_letter: Boolean,
  completion_certificate: Boolean,
  report: Boolean,
});
const studentSchema = new mongoose.Schema({
  reg_no: { type: String, required: true, unique: true },
  name: String,
  title: String,
  mobile_no: String,
  section: String,
  obtained_internship: String,
  period: String,
  start_date: Date,
  end_date: Date,
  company_name: String,
  placement_source: String,
  stipend: Number,
  internship_type: String,
  location: String,
  gdrive_folder_link: String,
  proofs: proofSchema,
});
export default mongoose.model("Student", studentSchema);
```

StudentSignup.js

```
import mongoose from "mongoose";
const studentLoginSchema = new mongoose.Schema({
  reg_no: {
    type: String,
    required: true,
    unique: true,
  },
  password: {
    type: String,
    required: true,
  }
})
// Use export default instead of module.exports
export   default   mongoose.model('StudentLogin',   studentLoginSchema,
'students_login');
```

CoordinatorModel.js

```
import mongoose from "mongoose";
const coordinatorSchema = new mongoose.Schema({
  email: {
    type: String,
    required: true,
    unique: true,
    lowercase: true
  },
  password: {
    type: String,
    required: true
  }
});
const Coordinator = mongoose.model("Coordinator", coordinatorSchema);
export default Coordinator;
```

studentController.js

```
import Student from "../models/studentModel.js";
import StudentLogin from "../models/studentSignup.js"
export const signupStudent = async (req, res) => {
  const { reg_no, password } = req.body;
  try {
    // Check if reg_no already exists
    const existing = await StudentLogin.findOne({ reg_no });
    if (existing) {
      return res.status(409).json({ message: 'User already exists.' });
    }
    // Create new login entry (hash password in production)
    const newLogin = new StudentLogin({ reg_no, password });
    await newLogin.save();
    res.status(201).json({ message: 'Signup successful.' });
  } catch (err) {
    console.error(err);
    res.status(500).json({ message: 'Server Error during signup.' });
  }
};
export const createStudent = async (req, res) => {
  const { reg_no } = req.body;
  try {
    // Authorization check
    const loginExists = await StudentLogin.findOne({ reg_no: reg_no });
    if (!loginExists) {
      return res.status(403).json({ message: 'You are not authorized to
submit this form.' });
    }
    // Duplication check
    const alreadySubmitted = await Student.findOne({ reg_no: reg_no });
    if (alreadySubmitted) {
      return res.status(409).json({ message: 'You have already submitted
your internship details.' });
    }
    const newStudent = new Student(req.body);
    await newStudent.save();
    res.status(201).json({   message:   'Internship   record   submitted
successfully.' });
  } catch (err) {
    console.error(err);
    res.status(500).json({ message: 'Internal Server Error' });
  }
```

```
};
export const getStudents = async (req, res) => {
  try {
    const students = await Student.find();
    res.status(200).json(students);
  } catch (err) {
    res.status(500).json({ message: err.message });
  }
};
export const getStudentById = async (req, res) => {
  try {
    const student = await Student.findById(req.params.id);
    if (!student) return res.status(404).json({ message: "Not found" });
    res.status(200).json(student);
  } catch (err) {
    res.status(500).json({ message: err.message });
  }
};
export const updateStudent = async (req, res) => {
  try {
    const   updated   =   await   Student.findByIdAndUpdate(req.params.id,
req.body, { new: true });
    res.status(200).json(updated);
  } catch (err) {
    res.status(500).json({ message: err.message });
  }
};
export const deleteStudent = async (req, res) => {
  try {
    await Student.findByIdAndDelete(req.params.id);
    res.status(204).end();
  } catch (err) {
    res.status(500).json({ message: err.message });
  }
};
export const filterStudents = async (req, res) => {
  try {
    const  {  location,  placement_source,  company_name,  title,  domain,
period } = req.query;
```

```
    const query = {};
    if (location) query.location = location;
    if (placement_source) query.placement_source = placement_source;
    if (company_name) query.company_name = company_name;
    if (title) query.title = title;
    if (period) query.period = period;
    const students = await Student.find(query);
    res.json(students);
  } catch (err) {
    res.status(500).json({ message: err.message });
  }
};
```

StudentRoute.js

```
import express from 'express';
import {
  createStudent,
  getStudents,
  getStudentById,
  updateStudent,
  deleteStudent,
  filterStudents
} from '../controllers/studentController.js';
const router = express.Router();
router.post('/create', createStudent);
router.get('/', getStudents);
router.get('/:id', getStudentById);
router.put('/:id', updateStudent);
router.delete('/:id', deleteStudent);
router.get('/filter', filterStudents);

export default router;
```

coordinatorAuth.js

```
import express from "express";
const router = express.Router();
import Coordinator from "../models/coordinatorModel.js";
```

```
// Coordinator Signup
router.post("/signup", async (req, res) => {
  try {
    const { email, password, name } = req.body;
    const existing = await Coordinator.findOne({ email });
    if (existing) return res.status(400).json({ success: false, message: 
"Coordinator already exists." });
    const coordinator = new Coordinator({ email, password, name });
    await coordinator.save();
    res.status(201).json({ success: true, message: "Coordinator Signup 
Success" });
  } catch (err) {
    res.status(500).json({ success: false, message: err.message });
  }
});
// Coordinator Login
router.post("/login", async (req, res) => {
  try {
    const { email, password } = req.body;
    const coordinator = await Coordinator.findOne({ email });
    if (!coordinator || coordinator.password !== password) {
      return res.status(401).json({ success: false, message: "Invalid 
credentials" });
    }
    res.status(200).json({ success: true, message: "Login successful" });
  } catch (err) {
    res.status(500).json({ success: false, message: err.message });
  }
});
export default router;
```

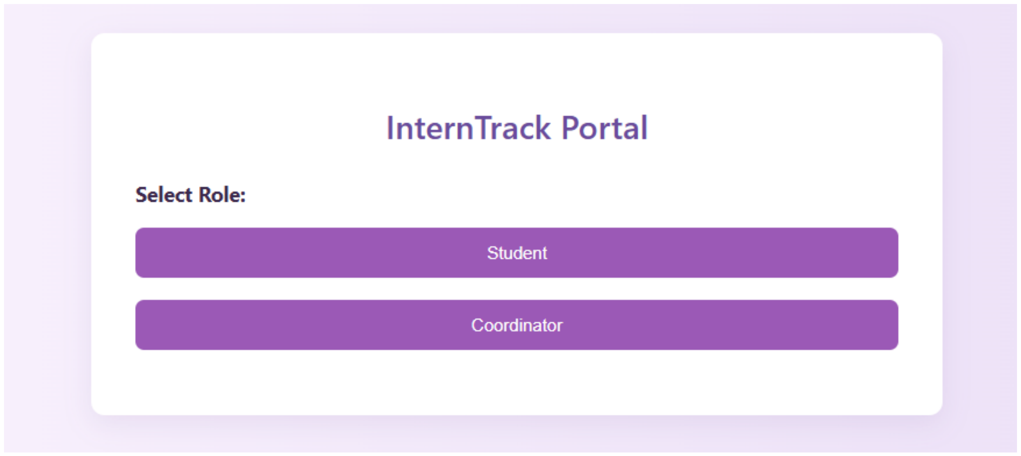
studentAuth.js

```
import express from "express";
const router = express.Router();
import StudentLogin from "../models/studentSignup.js";
import Student from "../models/studentModel.js";
// Student Signup
router.post("/signup", async (req, res) => {
  try {
    const { reg_no, password, name } = req.body;
    const existing = await StudentLogin.findOne({ reg_no });
    if (existing) return res.status(400).json({ success: false, message:
"Student already exists." });
    const login = new StudentLogin({ reg_no, password });
    const student = new Student({ reg_no, name });
    await login.save();
    await student.save();
    res.status(201).json({  success:  true,  message:  "Student  Signup
Success" });
  } catch (err) {
    res.status(500).json({ success: false, message: err.message });
  }
});
// Student Login
router.post("/login", async (req, res) => {
  try {
    const { reg_no, password } = req.body;

    const student = await StudentLogin.findOne({ reg_no });
    if (!student || student.password !== password) {
      return  res.status(401).json({  success:  false,  message:  "Invalid
credentials" });
    }
    res.status(200).json({ success: true, message: "Login successful" });
  } catch (err) {
    res.status(500).json({ success: false, message: err.message });
  }
});
export default router;
```

Screenshots:

Login/ Signup page:

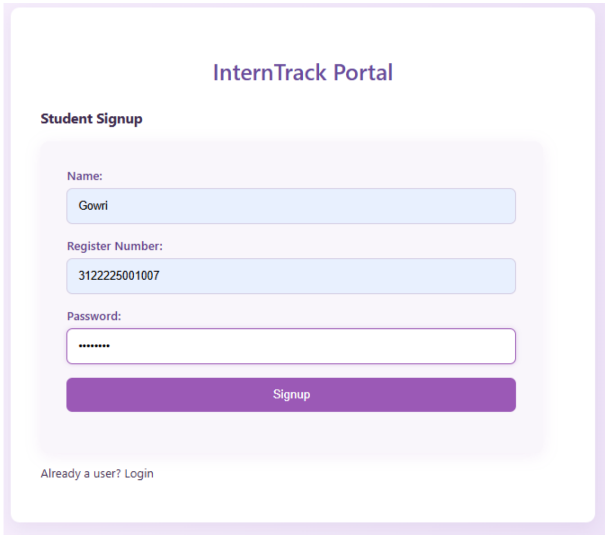


InternTrack Portal

Select Role:

A) Lets see all the student functionality:

1. **Student Signup (on clicking New user? Sign up)**



InternTrack Portal

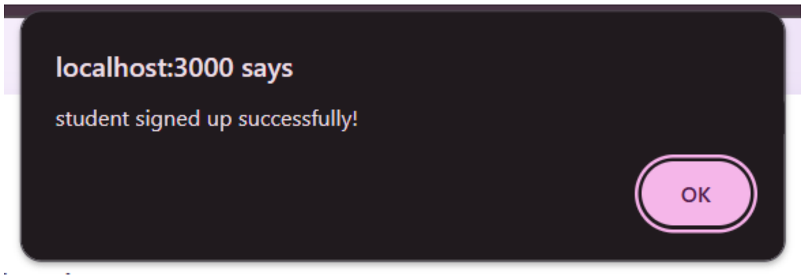
Student Signup

Name: Gowri

Register Number: 3122225001007

Password: ••••••••

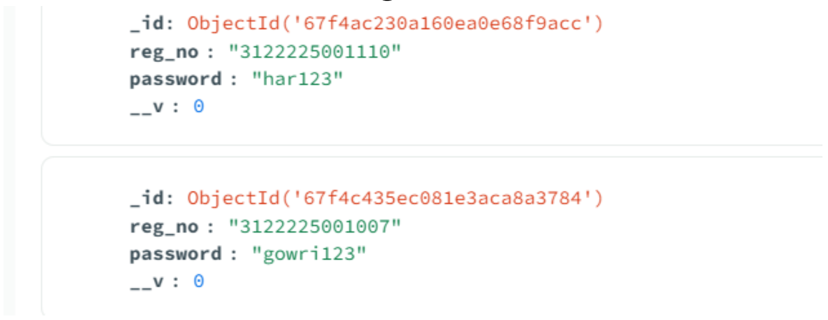
On clicking Signup:



localhost:3000 says

student signed up successfully!

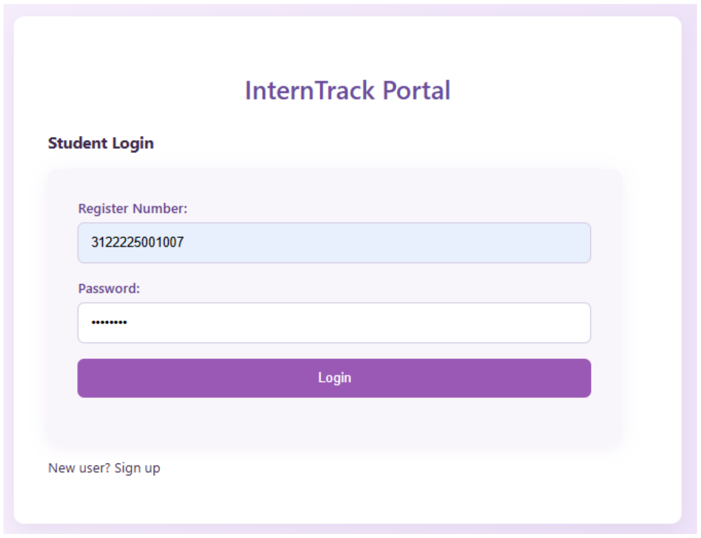
Gowri added to students_login



```
_id: ObjectId('67f4ac230a160ea0e68f9acc')
reg_no : "3122225001110"
password : "har123"
__v : 0

_id: ObjectId('67f4c435ec081e3aca8a3784')
reg_no : "3122225001007"
password : "gowri123"
__v : 0
```

2. Student Login



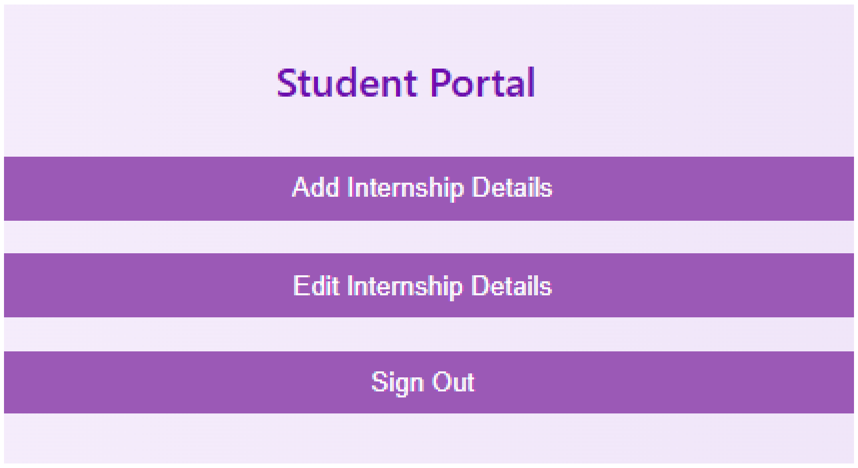
InternTrack Portal

Student Login

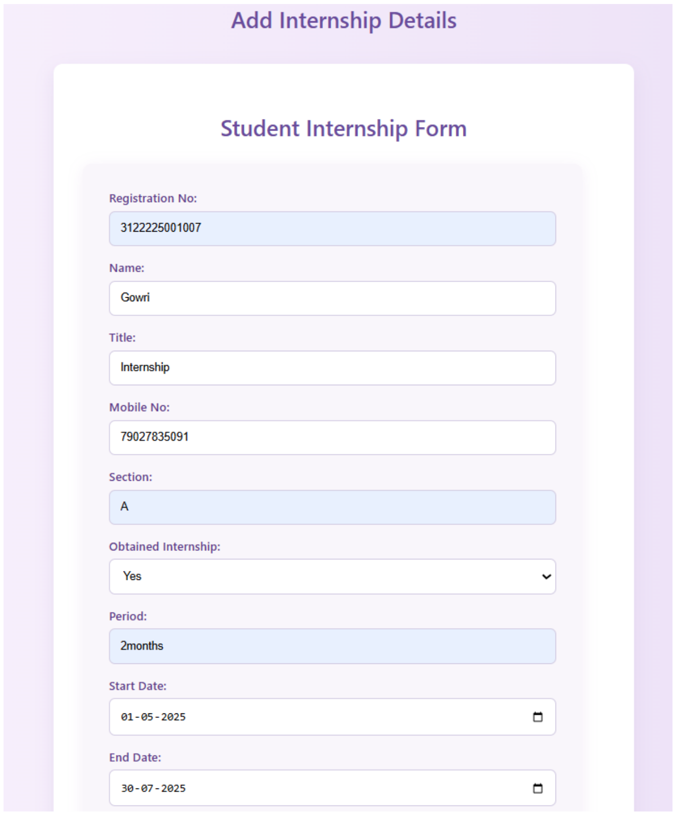
Register Number: 3122225001007

Password: ••••••••

On clicking Login



3. Add Internship Details


Add Internship Details

Student Internship Form

Registration No:
3122225001007

Name:
Gowri

Title:
Internship

Mobile No:
79027835091

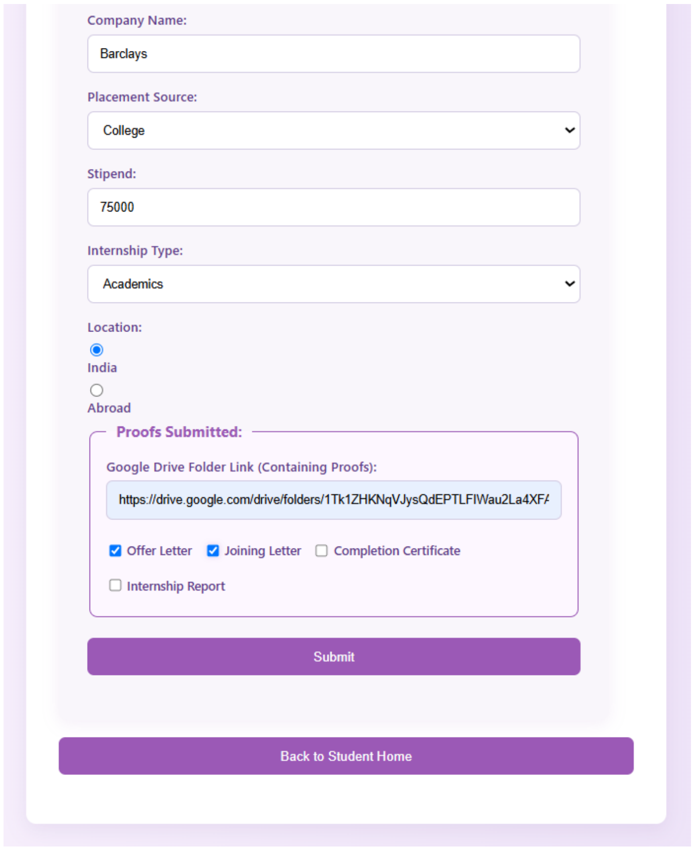
Section:
A

Obtained Internship:
Yes

Period:
2months

Start Date:
01-05-2025

End Date:
30-07-2025


Company Name:
Barclays

Placement Source:
College

Stipend:
75000

Internship Type:
Academics

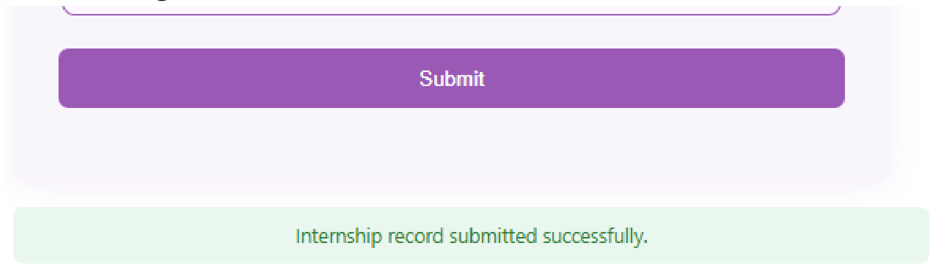
Location:
● India
○ Abroad

Proofs Submitted:

Google Drive Folder Link (Containing Proofs):
https://drive.google.com/drive/folders/1Tk1ZHKNqVJysQdEPTLFIWau2La4XF

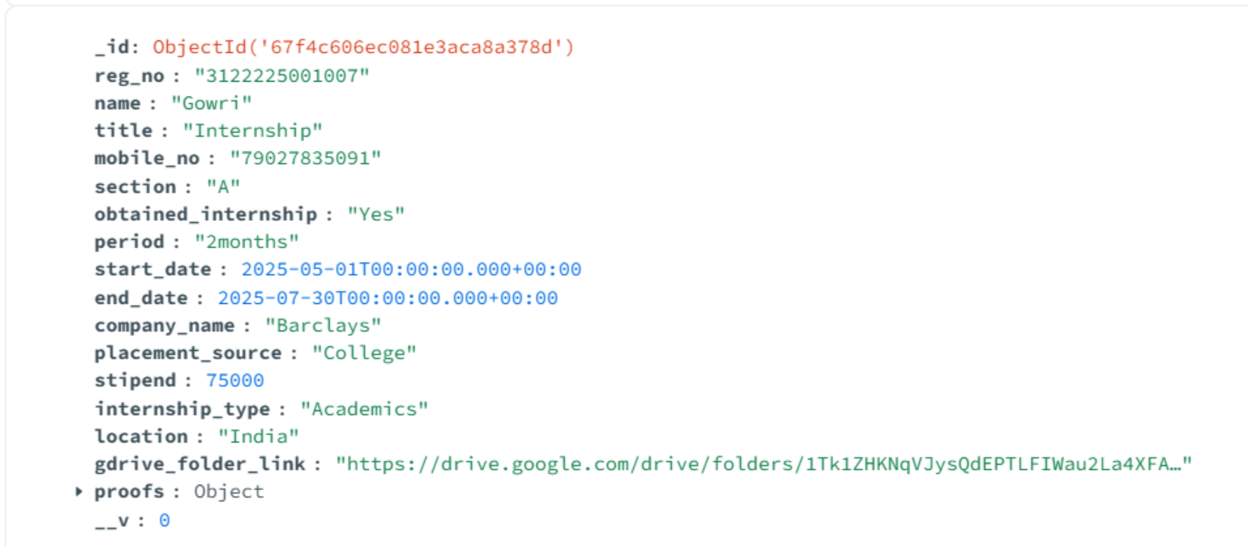
☑ Offer Letter ☑ Joining Letter ☐ Completion Certificate
☐ Internship Report

On Clicking Submit:



Internship record submitted successfully.

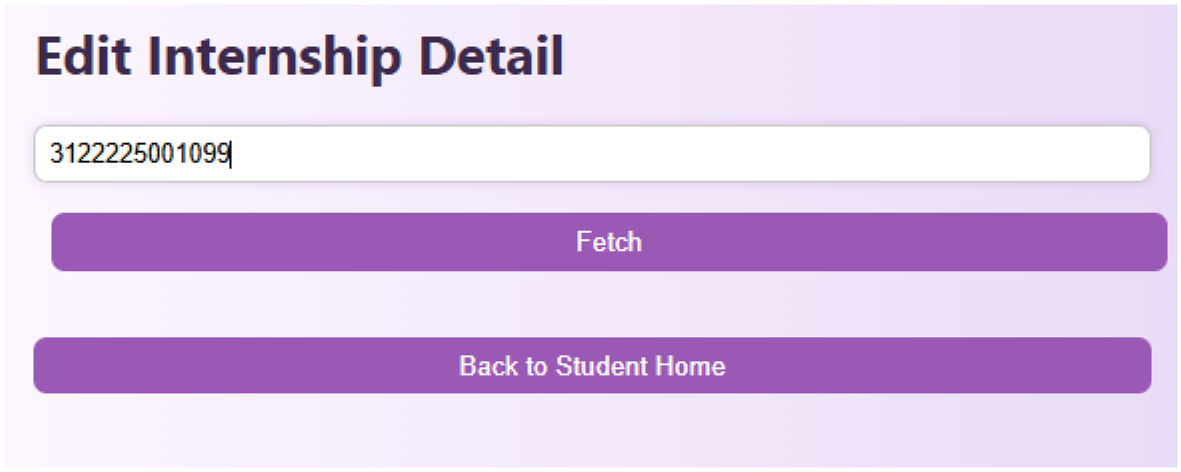
Gowri added to students



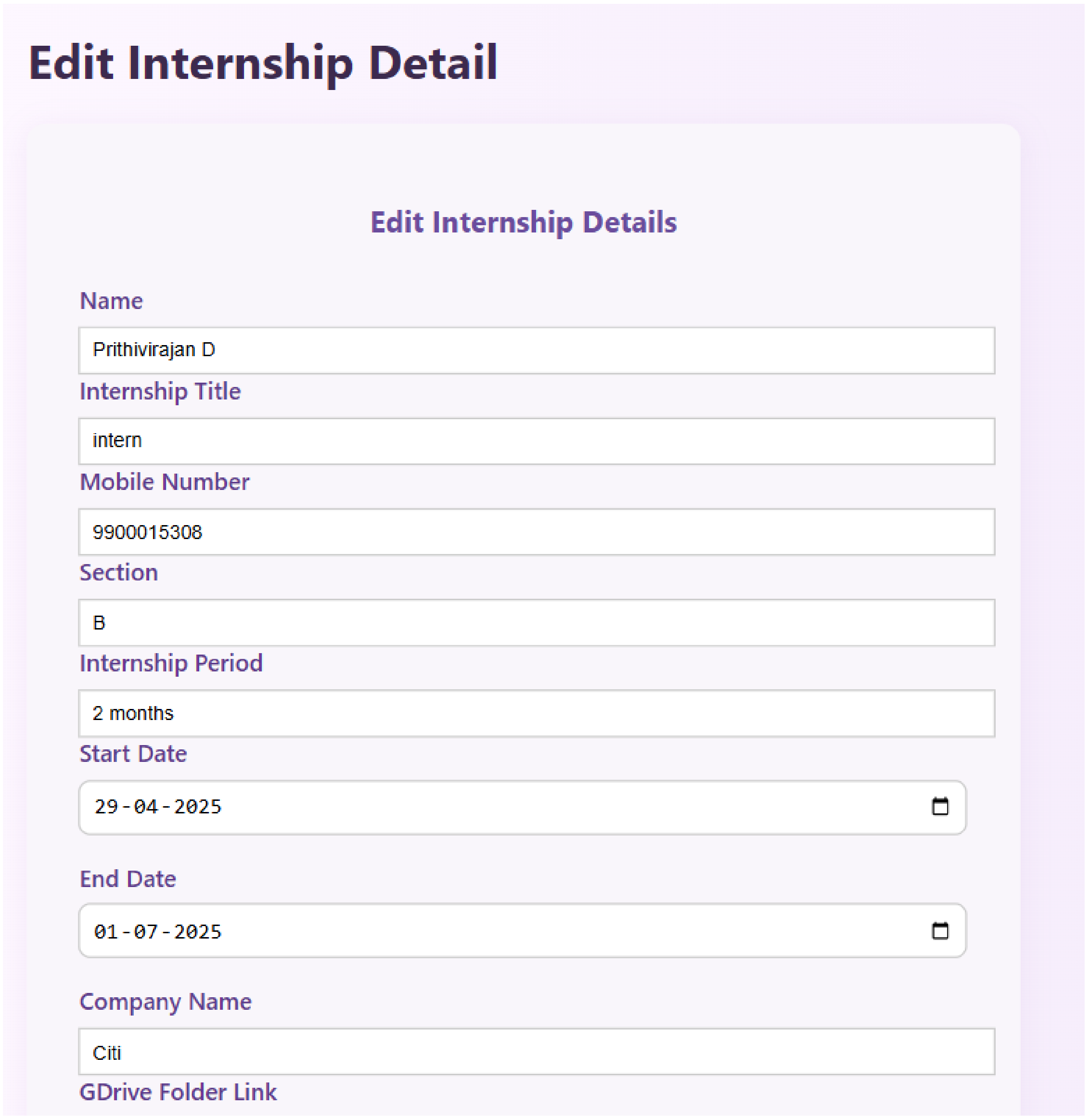
```
_id: ObjectId('67f4c606ec081e3aca8a378d')
reg_no : "3122225001007"
name : "Gowri"
title : "Internship"
mobile_no : "79027835091"
section : "A"
obtained_internship : "Yes"
period : "2months"
start_date : 2025-05-01T00:00:00.000+00:00
end_date : 2025-07-30T00:00:00.000+00:00
company_name : "Barclays"
placement_source : "College"
stipend : 75000
internship_type : "Academics"
location : "India"
gdrive_folder_link : "https://drive.google.com/drive/folders/1Tk1ZHKNqVJysQdEPTLFIWau2La4XFA…"
▸ proofs : Object
__v : 0
```

Navigate back to StudentHome

4. **Edit Internship:**



On clicking Fetch: (editing period and start, end date)



Edit Internship Detail

Edit Internship Details

Name: Prithivirajan D

Internship Title: intern

Mobile Number: 9900015308

Section: B

Internship Period: 2 months

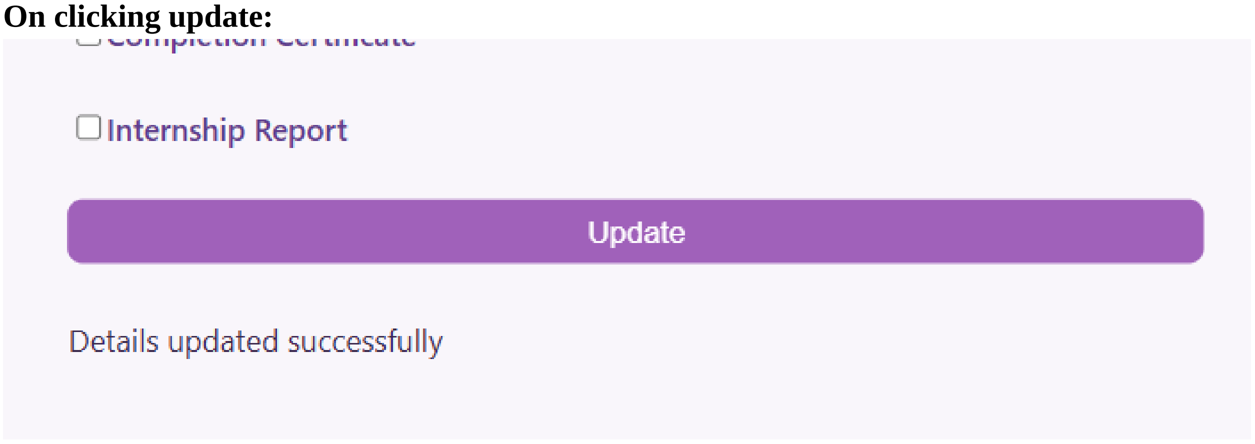
Start Date: 29-04-2025

End Date: 01-07-2025

Company Name: Citi

GDrive Folder Link

On clicking update:

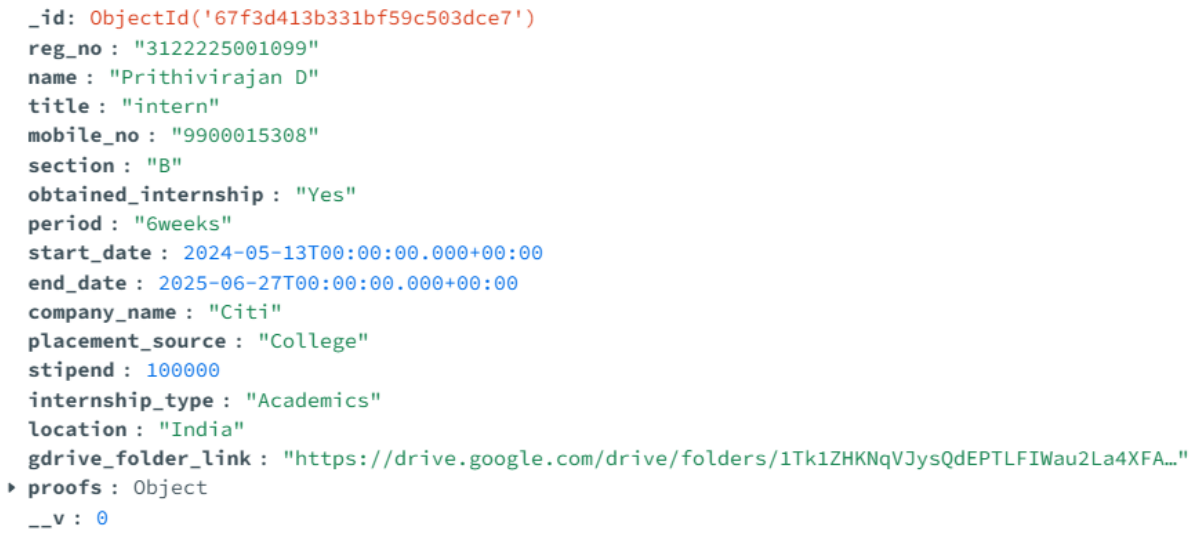


Completion Certificate

Internship Report

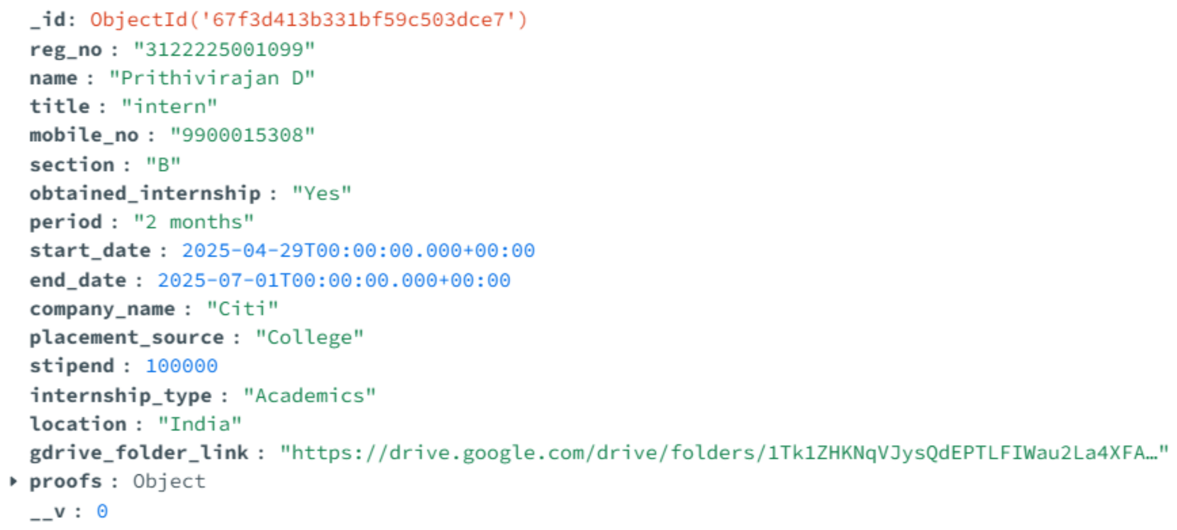
Details updated successfully

Before edit:



```
_id: ObjectId('67f3d413b331bf59c503dce7')
reg_no : "3122225001099"
name : "Prithivirajan D"
title : "intern"
mobile_no : "9900015308"
section : "B"
obtained_internship : "Yes"
period : "6weeks"
start_date : 2024-05-13T00:00:00.000+00:00
end_date : 2025-06-27T00:00:00.000+00:00
company_name : "Citi"
placement_source : "College"
stipend : 100000
internship_type : "Academics"
location : "India"
gdrive_folder_link : "https://drive.google.com/drive/folders/1Tk1ZHKNqVJysQdEPTLFIWau2La4XFA…"
▸ proofs : Object
__v : 0
```

After Edit:

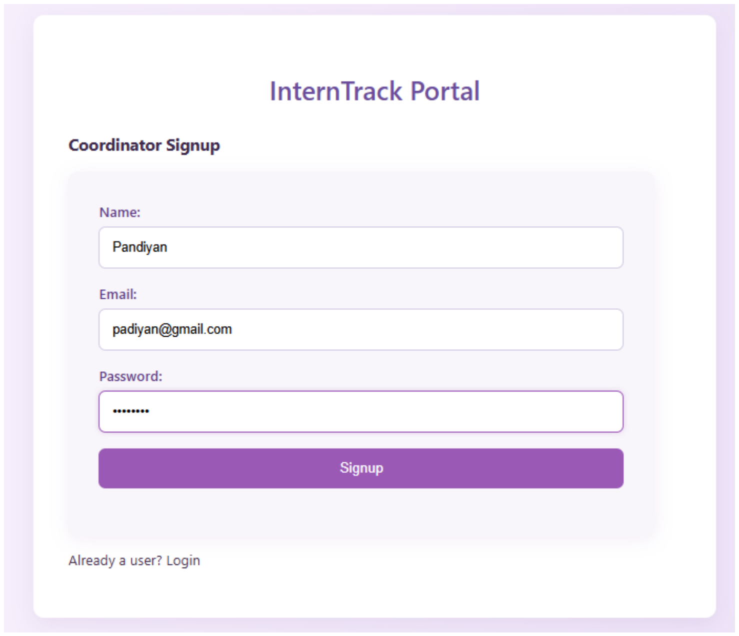


```
_id: ObjectId('67f3d413b331bf59c503dce7')
reg_no : "3122225001099"
name : "Prithivirajan D"
title : "intern"
mobile_no : "9900015308"
section : "B"
obtained_internship : "Yes"
period : "2 months"
start_date : 2025-04-29T00:00:00.000+00:00
end_date : 2025-07-01T00:00:00.000+00:00
company_name : "Citi"
placement_source : "College"
stipend : 100000
internship_type : "Academics"
location : "India"
gdrive_folder_link : "https://drive.google.com/drive/folders/1Tk1ZHKNqVJysQdEPTLFIWau2La4XFA…"
▸ proofs : Object
__v : 0
```

Navigate to StudentHome and Signout.

B) Lets see all the coordinator functionality:

1. **Coordinator Signup:**


InternTrack Portal

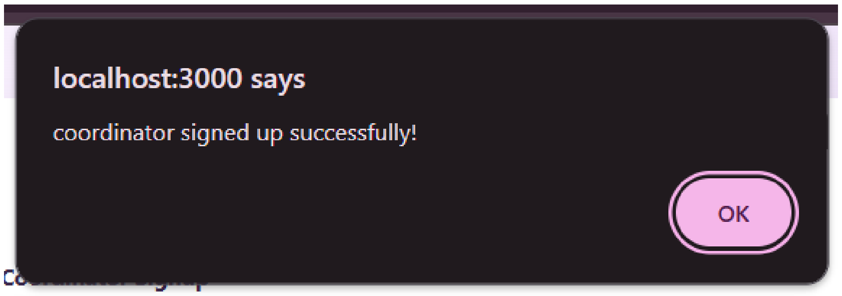
Coordinator Signup

Name: Pandiyan

Email: padiyan@gmail.com

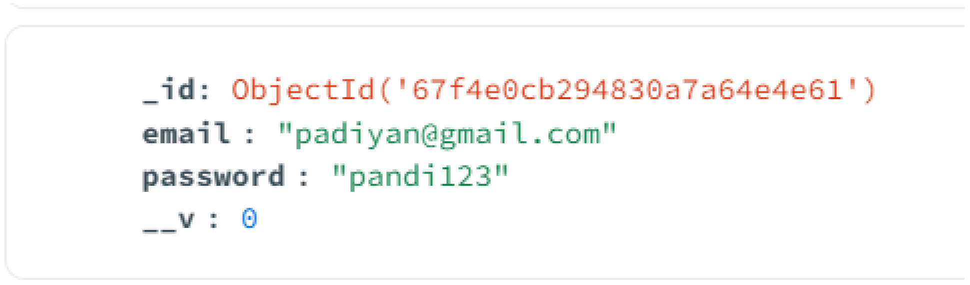
Password: ••••••••

On clicking Signup:

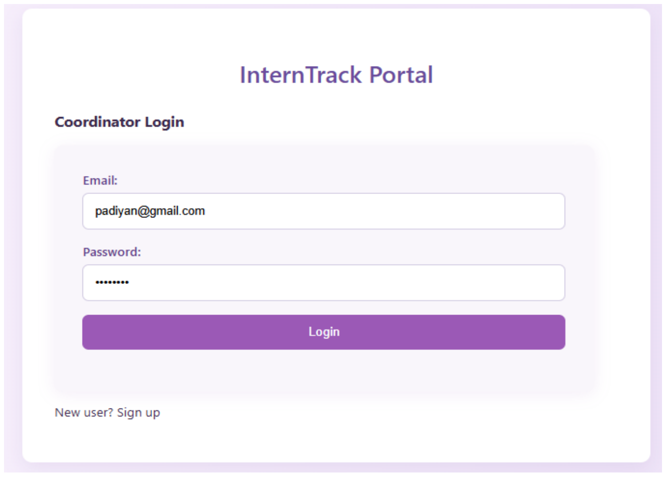

localhost:3000 says

coordinator signed up successfully!

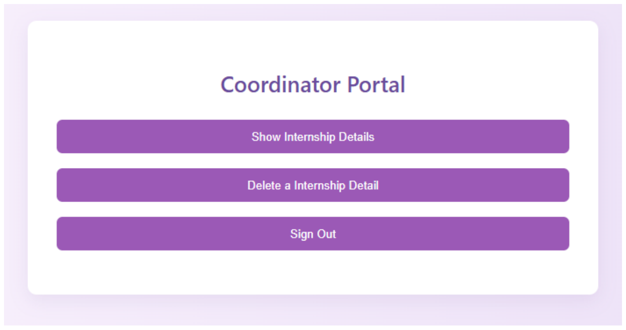
Pandiyan added to coordinator_signup:


```
_id: ObjectId('67f4e0cb294830a7a64e4e61')
email : "padiyan@gmail.com"
password : "pandi123"
__v : 0
```

2. Coordinator Login:

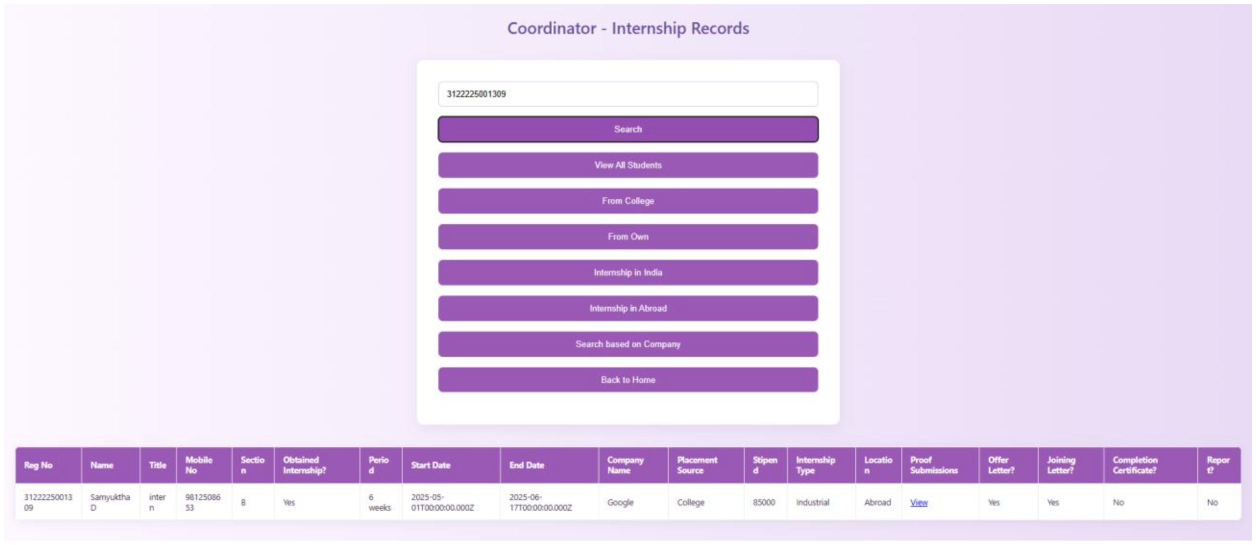


Coordination page



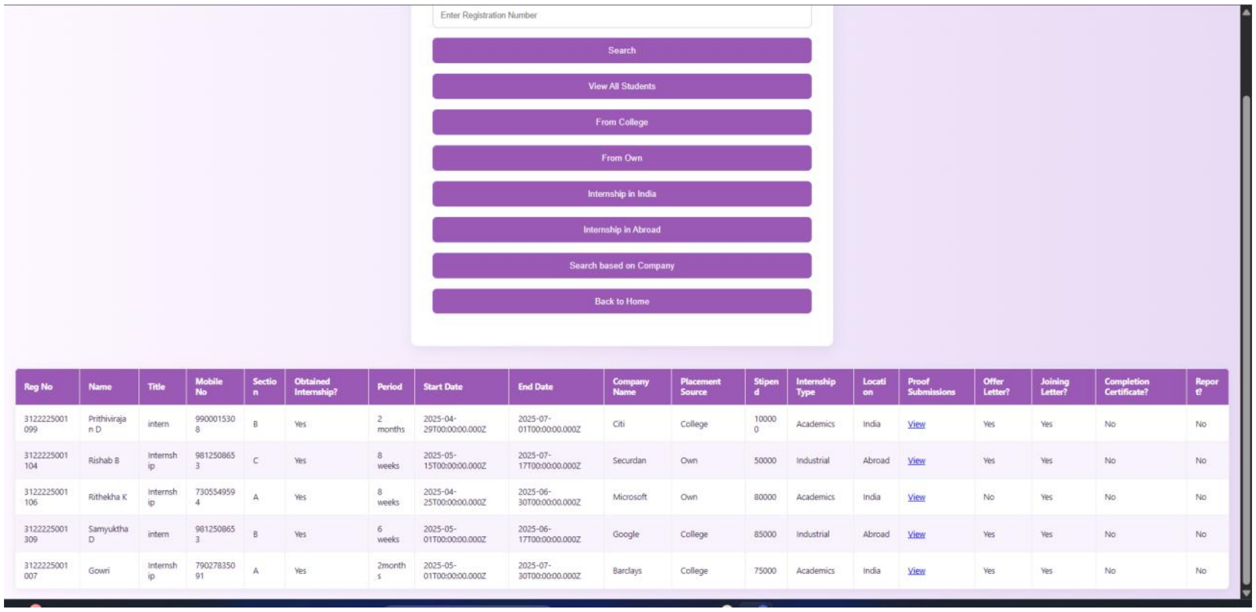
3. Seach functionality

a) Search by reg no



Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No

b)View All Details



Enter Registration Number

Search

View All Students

From College

From Own

Internship in India

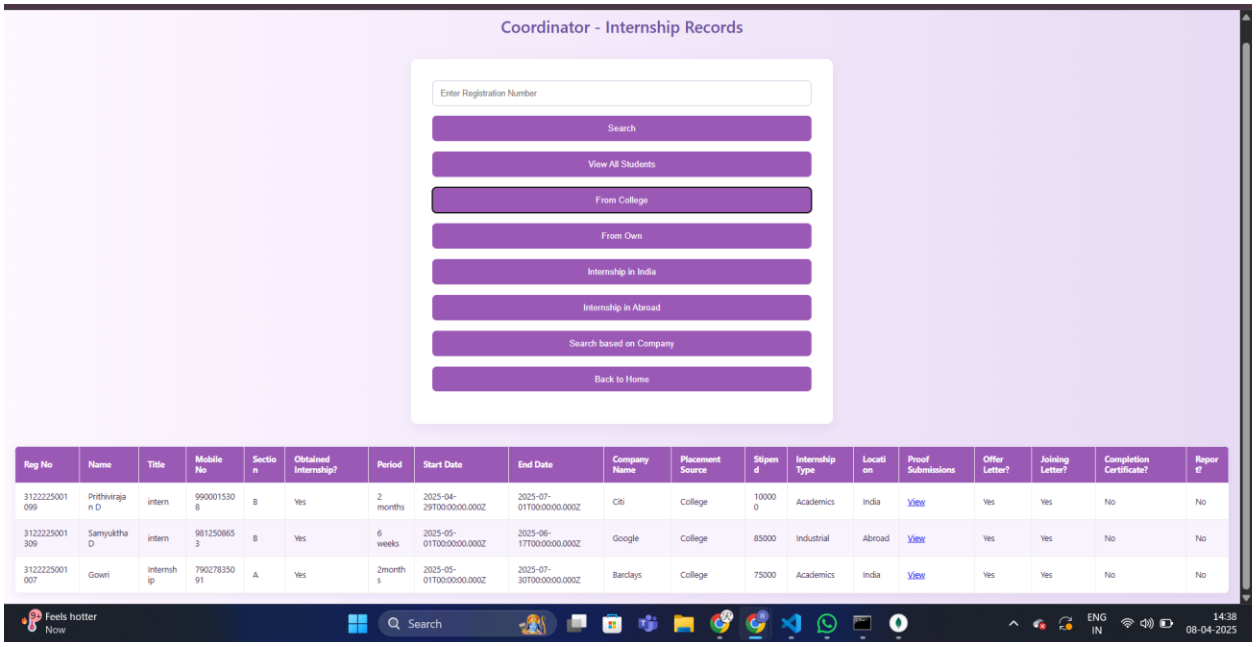
Internship in Abroad

Search based on Company

Back to Home

Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001099	Prithivirajan D	intern	9900015308	B	Yes	2 months	2025-04-29T00:00:00.000Z	2025-07-01T00:00:00.000Z	Citi	College	100000	Academics	India	View	Yes	Yes	No	No
3122225001104	Rishab B	Internship	9812508653	C	Yes	8 weeks	2025-05-15T00:00:00.000Z	2025-07-17T00:00:00.000Z	Securdan	Own	50000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001106	Rithekha K	Internship	7305549594	A	Yes	8 weeks	2025-04-25T00:00:00.000Z	2025-06-30T00:00:00.000Z	Microsoft	Own	80000	Academics	India	View	No	Yes	No	No
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001007	Gowri	Internship	79027835091	A	Yes	2months	2025-05-01T00:00:00.000Z	2025-07-30T00:00:00.000Z	Barclays	College	75000	Academics	India	View	Yes	Yes	No	No

c)View who got internship through College



Coordinator - Internship Records

Enter Registration Number

Search

View All Students

From College

From Own

Internship in India

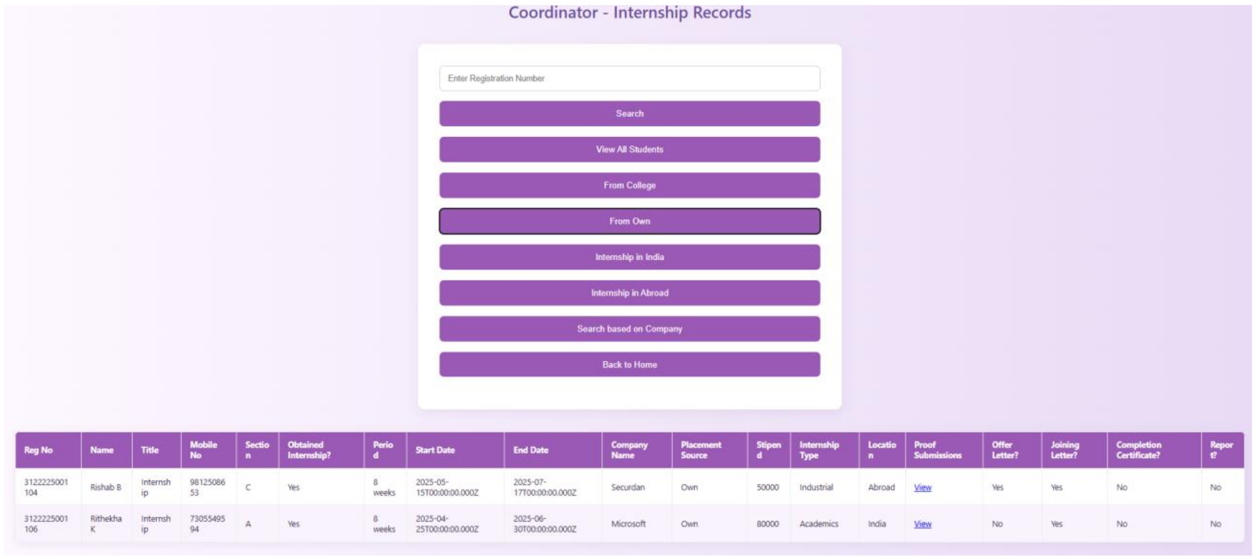
Internship in Abroad

Search based on Company

Back to Home

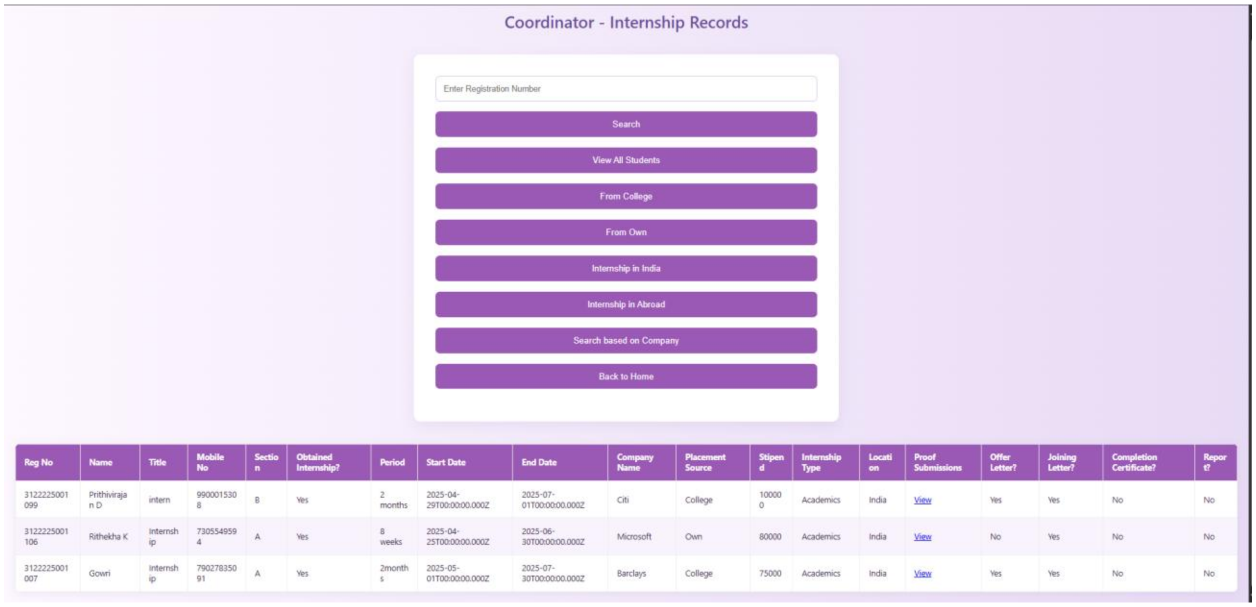
Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001099	Prithivirajan D	intern	9900015308	B	Yes	2 months	2025-04-29T00:00:00.000Z	2025-07-01T00:00:00.000Z	Citi	College	100000	Academics	India	View	Yes	Yes	No	No
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001007	Gowri	Internship	79027835091	A	Yes	2months	2025-05-01T00:00:00.000Z	2025-07-30T00:00:00.000Z	Barclays	College	75000	Academics	India	View	Yes	Yes	No	No

d) View who got internship by their own


Coordinator - Internship Records

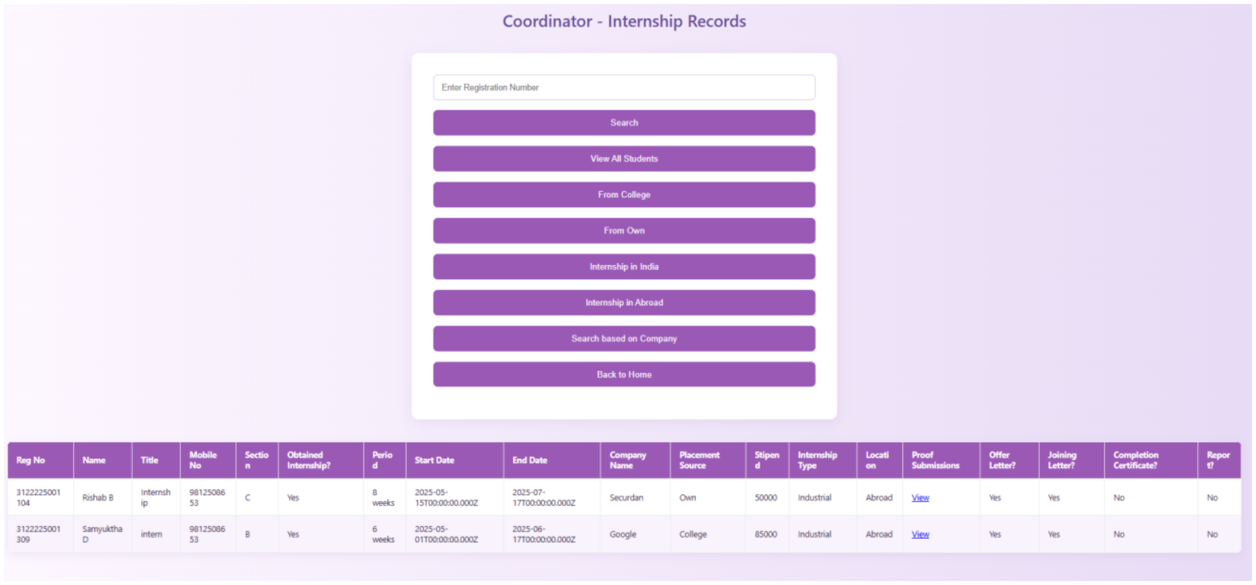
Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001104	Rishab B	Internship	9812508653	C	Yes	8 weeks	2025-05-15T00:00:00.000Z	2025-07-17T00:00:00.000Z	Securdan	Own	50000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001106	Rithekha K	Internship	7305549594	A	Yes	8 weeks	2025-04-25T00:00:00.000Z	2025-06-30T00:00:00.000Z	Microsoft	Own	80000	Academics	India	View	No	Yes	No	No

e) View who got internship in India


Coordinator - Internship Records

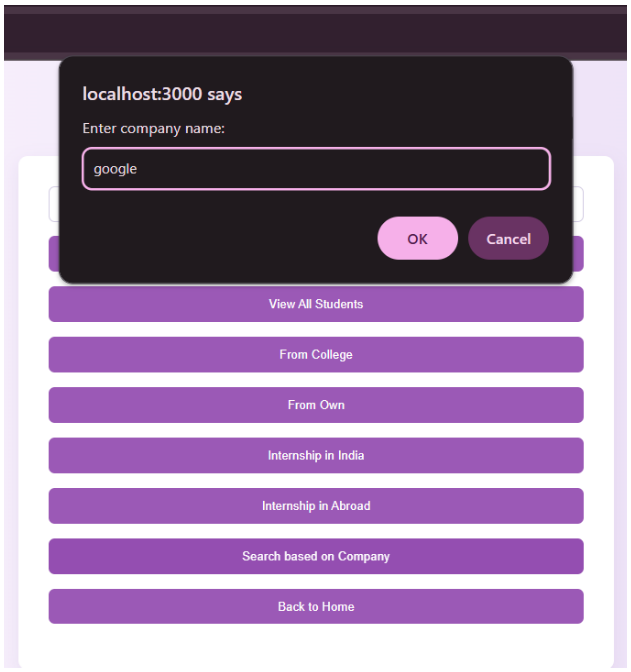
Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001099	Prithivirajan D	intern	9900015308	B	Yes	2 months	2025-04-29T00:00:00.000Z	2025-07-01T00:00:00.000Z	Citi	College	100000	Academics	India	View	Yes	Yes	No	No
3122225001106	Rithekha K	Internship	7305549594	A	Yes	8 weeks	2025-04-25T00:00:00.000Z	2025-06-30T00:00:00.000Z	Microsoft	Own	80000	Academics	India	View	No	Yes	No	No
3122225001007	Gowri	Internship	79027835091	A	Yes	2months	2025-05-01T00:00:00.000Z	2025-07-30T00:00:00.000Z	Barclays	College	75000	Academics	India	View	Yes	Yes	No	No

f) View who got internship abroad


Coordinator - Internship Records

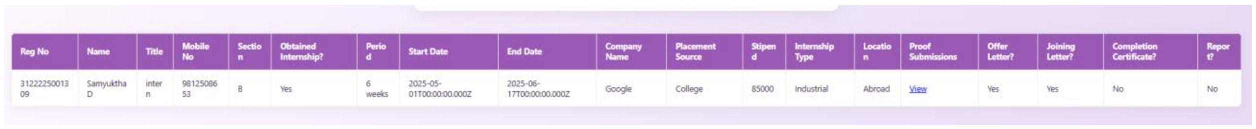
Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001104	Rishab B	Internship	9812508653	C	Yes	8 weeks	2025-05-15T00:00:00.000Z	2025-07-17T00:00:00.000Z	Securdan	Own	50000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No

g) Searching based on Company


localhost:3000 says

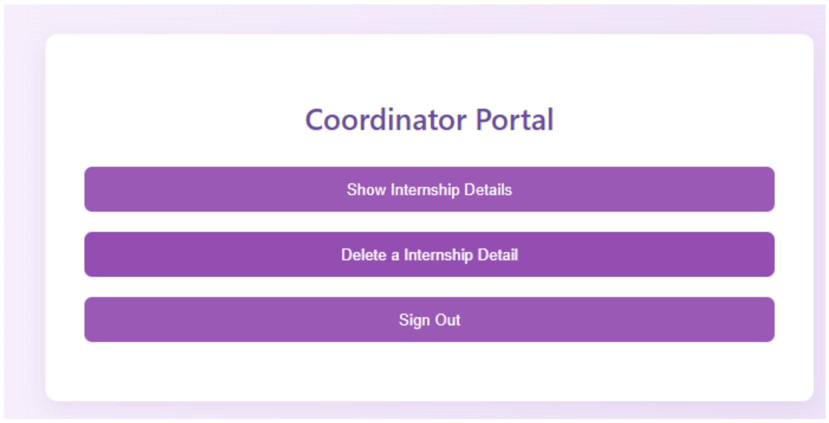
Enter company name:

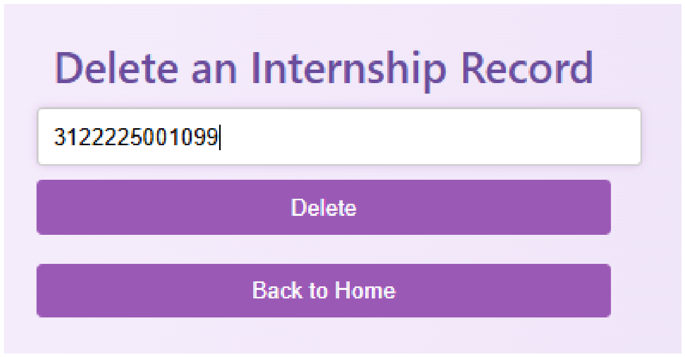
google



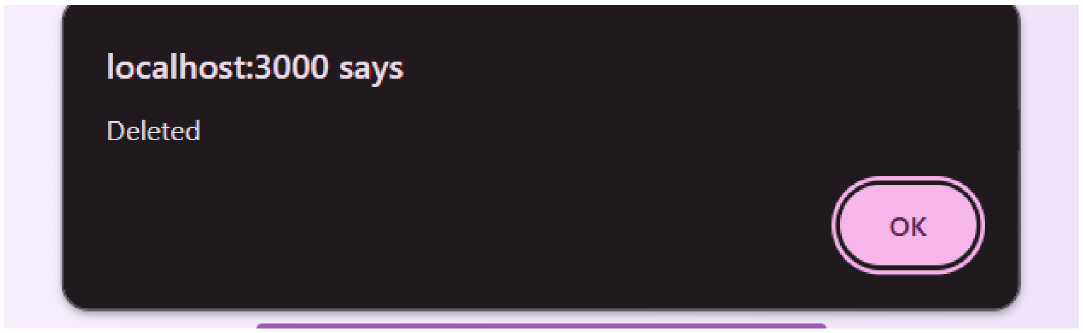
Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No

4.Delete Functionality



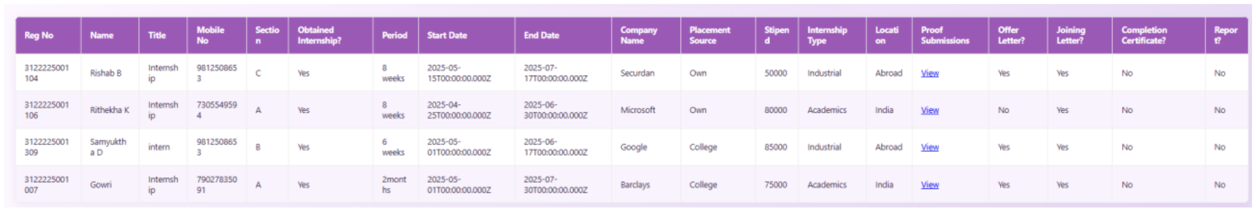


3122225001099 records deleted


localhost:3000 says

Deleted

3122225001099 deleted successfully



Reg No	Name	Title	Mobile No	Section	Obtained Internship?	Period	Start Date	End Date	Company Name	Placement Source	Stipend	Internship Type	Location	Proof Submissions	Offer Letter?	Joining Letter?	Completion Certificate?	Report?
3122225001104	Rishab B	Internship	9812508653	C	Yes	8 weeks	2025-05-15T00:00:00.000Z	2025-07-17T00:00:00.000Z	Securdan	Own	50000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001106	Rithekha K	Internship	7305549594	A	Yes	8 weeks	2025-04-25T00:00:00.000Z	2025-06-30T00:00:00.000Z	Microsoft	Own	80000	Academics	India	View	No	Yes	No	No
3122225001309	Samyuktha D	intern	9812508653	B	Yes	6 weeks	2025-05-01T00:00:00.000Z	2025-06-17T00:00:00.000Z	Google	College	85000	Industrial	Abroad	View	Yes	Yes	No	No
3122225001007	Gowri	Internship	79027835091	A	Yes	2months	2025-05-01T00:00:00.000Z	2025-07-30T00:00:00.000Z	Barclays	College	75000	Academics	India	View	Yes	Yes	No	No

Conclusion

This project successfully demonstrates the development of a full-stack internship management portal using the MERN stack. It streamlines the process for coordinators to manage student internship records by providing essential functionalities such as search, filter, view, and delete through a secure and intuitive interface. The integration of technologies like JWT for authentication, MongoDB for flexible data storage, and React for a dynamic user experience ensures the system is both efficient and scalable.