

SVWV Internship Data Management System

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Objective

Centralized platform to manage and share student internship data, streamlining the placement process.



Problem Domain

The project addresses challenges such as data fragmentation, security concerns, inefficiencies in the internship placement process, and the need for integration with existing systems. Effective data management and accessibility are crucial for the success of student internships.



Literature Survey

Reviewed existing systems, explored related research, and identified gaps in current solutions.

Existing Systems

Fragmented, lack of integration, security issues.

Research Insights

Centralized platforms, secure data sharing, user-centric design.

Identified Gaps

Need for comprehensive, integrated, and user-friendly solution.

Methodology

The team designed and developed the Student Internship Data Management System using a carefully chosen technology stack, including Next.js for the frontend, Spring Boot for the backend, and PostgreSQL for the database. The system architecture ensures secure data collection, storage, and retrieval.

1

Technology Stack

Next.js, Spring Boot, PostgreSQL

2

System Architecture

Secure data management, scalable and modular design

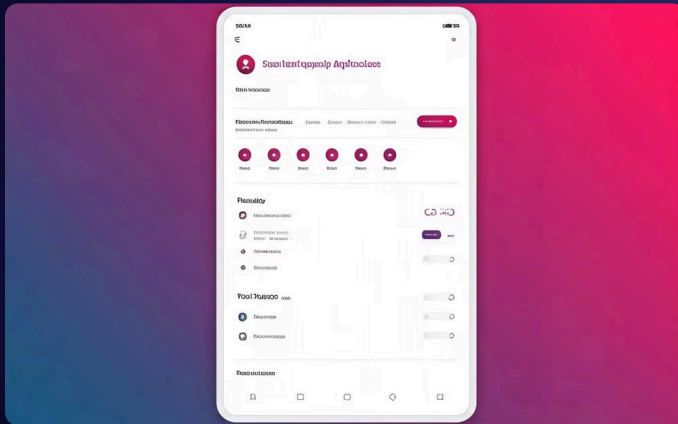
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Data Handling

Secure data collection, storage, and retrieval

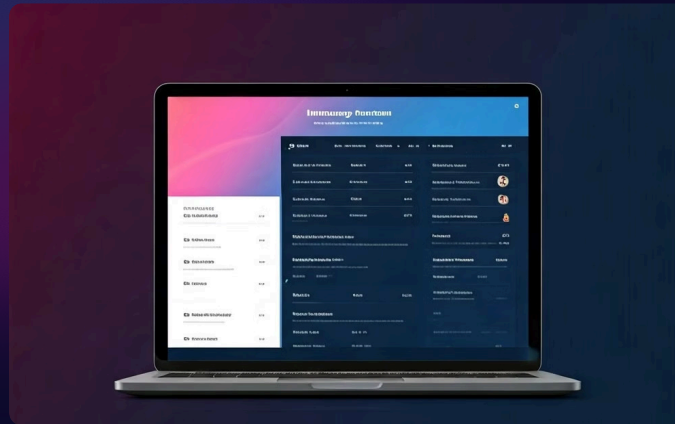
Implementation

The system development process involved setting up the development environment, implementing key features such as the student dashboard, company portal, and college admin tools, and integrating APIs, data validation, and cloud storage for document management.



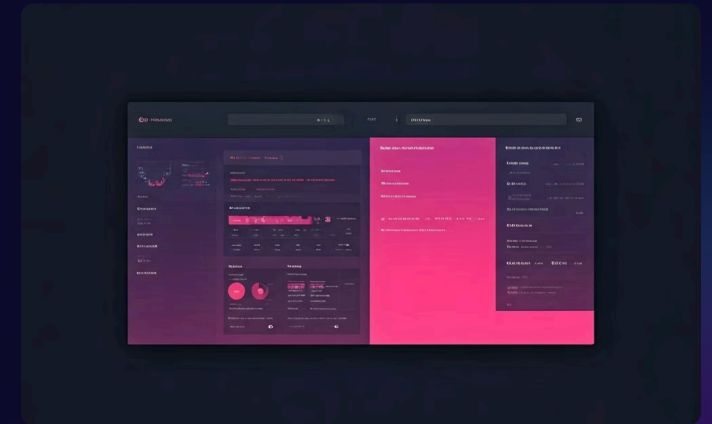
Student Dashboard

Allows students to manage their internship applications and profiles.



Company Portal

Enables companies to post internships, review student profiles, and manage applications.



College Admin Tools

Provides college administrators with tools to manage student records and internship data.

Implementation Flowchart



Results

The Student Internship Data Management System has successfully addressed the identified challenges, streamlining the internship placement process, improving data security and accessibility, and enhancing the overall experience for students, companies, and college administrators.



Efficiency

Reduced time and effort in internship placements.



Security

Secure storage and sharing of student data.



Satisfaction

Positive feedback from all stakeholders.

References

The project team referenced a variety of academic papers, industry reports, and online resources on educational data management, internship placement, and related technologies. Key documentation for the used technologies was also consulted.

Research Papers

Internship Management Systems
in Higher Education: A Case Study

A Survey on Data Security and
Privacy in Cloud Computing

Documentation

Next.js Documentation

Spring Boot Documentation

PostgreSQL Documentation

Google Cloud Storage
Documentation



Thank You

We appreciate your time and consideration. For any further inquiries, please don't hesitate to reach out.