

Statement of Purpose (SOP)

Project Title: Enhanced HRMS (Human Resource Management System)

Candidate Name: [Your Full Name]

GitHub Repository: <https://github.com/pujan0625/Enhanced-HRMS>

1. Introduction

The modern workplace requires efficient management of human resources, where processes like leave management, attendance tracking, and employee data handling must be automated. Manual systems are prone to delays, errors, and inefficiencies. To overcome these challenges, I have developed an Enhanced Human Resource Management System (HRMS) which streamlines HR activities and provides a user-friendly digital solution.

2. Objective

The primary objectives of this project are:

- To simplify leave application and approval workflows.
- To maintain accurate employee records with real-time data access.
- To provide an interactive dashboard with filtering and analytics features.
- To ensure scalability and integration with cloud databases for reliability.

3. Methodology

The project follows an iterative development model with emphasis on modularity and clean UI.

- Frontend: HTML, CSS (Tailwind), JavaScript (Lucide icons, interactivity).
- Backend/Database: Supabase for secure data storage and retrieval.
- Version Control: Git & GitHub for project management.
- Features Implemented:
 - Leave application modal and approval system.

- Search, filter, and date-based sorting for leave requests.
- Dynamic leave statistics (approved, pending, rejected, balance).
- Interactive and responsive UI with modern design.

4. Expected Outcome

The Enhanced HRMS project ensures:

- Reduced manual effort for HR activities.
- Faster decision-making with real-time analytics.
- Enhanced transparency in leave approvals.
- Improved employee satisfaction due to digital access.

5. Conclusion

This project demonstrates how cloud integration and modern web technologies can revolutionize HR processes. It has been an enriching learning experience, enhancing my skills in web development, database integration, and project deployment. I believe this project will serve as a valuable step in advancing digital HR solutions.