Personalized Career Path Recommender System

Introduction

Proposed Research Project

**Project Planning and Timeline**

This section presents the planned schedule for completing the personalized Career Path Recommender System. The project is divided into clear phases, each with specific milestones and deliverables, to ensure steady progress and timely completion. The timeline follows the official course deadlines for the proposal, progress reports, midterm and final submissions.

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| Phase | Duration/  Deadline | Milestones | Deliverables |
| Phase 1:  Literature Review & Project Initialization | 2025/09/04 – 2025/09/11 | Collect references on career recommendation systems | Project Proposal |
| Phase 2:  Data Collection & Preprocessing | 2025/09/08 – 2025/09/25 | * Identify data sources * Implement scraping & preprocessing | Cleaned dataset |
| Phase 3:  System Design | 2025/09/12 – 2025/09/25 | * Define system architecture (frontend, backend) * Design recommendation logic | * System architecture diagram * Progress Report 1 |
| Phase 4:  Model Development & Recommendation Engine | 2025/09/17 – 2025/10/16 | * Implement recommendation model * Train/test with sample student data | * Working recommendation engine * Progress Report 2 |
| Phase 5:  Frontend & User Interaction | 2025/10/08 – 2025/11/05 | * Build React UI for student input * Connect frontend to backend API | * Functional prototype * Midterm Report * Progress Report 3 |
| Phase 6:  Testing & Refinement | 2025/11/03 – 2025/11/18 | * Test system with multiple profiles * Debug & bug fixing | * Progress Report 4 * Midterm Video Report |
| Phase 7:  Documentation & Final Report | 2025/11/12 – 2025/11/27 | * Prepare final report and presentation | * Progress Report 5 * Final Report & Implementation * Project Defense |

Project Contract

Work Date/Hours logs