Admissions Website

System Data Sources and Processing Data Collection

Data Collection
Integration of entrance exam and admissions data for the 2023 and 2024 academic years.

Data Processing
Use of pandas to read and merge data, converting scores to numerical values

Data Validation
Ensuring data integrity throughout processing.

Data Storage
Structured database created to support fast queries and analysis.

System Interface Design

Header Section
Displays the system name and a brief introduction with a clean, clear design.

Filter Section
Options for selecting year, school type, institution, and department.

Score Input Area
Allows input of scores for Chinese, English, Math, and specialized subjects.

Results Section
Displays score analysis, weighted calculations, and admission probability.

Personalized Program Recommendations

Integrates aptitude testing to evaluate student potential and interests from multiple dimensions.

Results are visualized using radar charts to show suitability across fields.

Based on results, the system offers targeted recommendations for academic departments.

Combines performance and aptitude analysis to suggest programs that align with the student's characteristics.

Aptitude Test Questions

Radar Chart

Year Comparison and AI Integration

Year Comparison
Supports selection of specific years or combined queries, providing visual comparisons.

Visual Display
Uses charts to intuitively present score differences between years for better understanding.

AI Recommendations
Integrates OpenAI API to offer personalized admission insights and suggestions.

Detailed Calculations
Provides comparisons of weighted total scores, weighted averages, and admission benchmarks.

AI Suggestions