

Optimizing Learning Paths with CourseConnect: Course Recommendation System

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Abstract: *In the dynamic realm of on-line schooling, CourseConnect stands as a web-based platform redefining the path discovery revel in. Departing from conventional models, it prioritizes immediacy and relevance on equal time as incorporating custom designed guidelines. By handing over tailored hints, whole route information, and empowering evaluation functions, CourseConnect publications freshmen via a custom designed adventure. This character-centric method addresses disturbing situations inclusive of information overload and choice fatigue, permitting knowledgeable selections aligned with customers' instructional aspirations. The platform's architecture emphasizes dynamism and responsiveness, making for a continuing, tailor-made mastering adventure. Evaluation metrics underscore the platform's efficacy, with the KNN-based absolutely recommender version contributing to its fulfilment. The model obtained precision of 90% based on reviews provided by users. This paper delves into CourseConnect's progressive approach, its effect on optimizing reading paths, and its destiny capability in addressing the evolving wishes of modern-day beginners*

Keywords: Course Recommendation System, E-Learning, KNN, Universal Sentence Encoder (USE)

