A Tourism Website with Content-Based Destination Recommendations

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***Abstract*—This undergraduate thesis investigates a tourism website integrating a destination recommender. Visitors need descriptions of destinations and suggestions for similar places. The student builds a destination website and describes a content-based recommendation component using scikit-learn and cosine similarity between item descriptions. The source reports working destination and suggestion screens. Its conclusion notes that some recommendations are inaccurate and that the underlying destination data need regular updates. The thesis does not report a held-out recommendation metric, a user study, or verified privacy and security tests despite broad claims in its conclusion. The contribution is a documented student study or prototype whose stated scope can guide further testing.**

***Index Terms*—tourism, content-based filtering, cosine similarity, recommendation system**

I. Introduction

Visitors need descriptions of destinations and suggestions for similar places. This thesis investigates a tourism website integrating a destination recommender. It begins from a practical engineering need and explains the technologies and workflow chosen for the case. The objective is to document a student implementation or comparative investigation, together with the evidence available in the manuscript. Broader operational or economic effects require separate measurements and are not assumed from the existence of a prototype [1]. Earlier ICTU student work on related designs is included here for context [2], [3], [4]. Related published studies provide context for the subject and methods [5], [6], [7], [8], [9], [10]. These contextual works were selected for this English summary; they are not asserted to appear in the original thesis bibliography.

II. Methods

The student builds a destination website and describes a content-based recommendation component using scikit-learn and cosine similarity between item descriptions. The source is summarized through its stated design, implementation material, examples, and conclusion. Features shown in the manuscript are distinguished from proposals for later development. This review does not add a new experiment, fill missing measurements with estimates, or treat a planned capability as an observed result. The source thesis remains the provenance for the reported work [1].

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III. Results

The source reports working destination and suggestion screens. Its conclusion notes that some recommendations are inaccurate and that the underlying destination data need regular updates. The report's screens, configurations, examples, or measurements constitute the evidence for this summary. A capability described only as a design intention is not counted as a validated operational outcome. No additional performance, adoption, financial, or safety figure has been introduced here. The result is interpreted within the scope of the student's documented setup [1].

IV. Discussion

The thesis does not report a held-out recommendation metric, a user study, or verified privacy and security tests despite broad claims in its conclusion. Further work could define an evaluation dataset, measure recommendation relevance, and test privacy safeguards before adding proposed payments or social features. These limitations affect how the evidence should be read. The current manuscript can support understanding of the design and reported demonstration, while independent tests would be needed for stronger claims. Any later deployment should document its environment and separate observed outcomes from intended benefits [1].

V. Conclusion

The thesis documents a tourism website integrating a destination recommender. The source reports working destination and suggestion screens. Its conclusion notes that some recommendations are inaccurate and that the underlying destination data need regular updates. The thesis does not report a held-out recommendation metric, a user study, or verified privacy and security tests despite broad claims in its conclusion. Further work could define an evaluation dataset, measure recommendation relevance, and test privacy safeguards before adding proposed payments or social features. Accordingly, the present contribution is a source-grounded account of the student work and its tested or illustrated scope. Claims about broader effectiveness should be assessed in later work using explicit evaluation conditions [1].

References

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