# Professor Recommendation System



UNT Faculty Web Page Scrapping

Raw Data

Natural Language Processed Dataset

EDA & Visualization

Feature Engineering

Student Feedback Index

Professor Engagement Index

Course Difficulty Index

Difficulty

Cosine Similarity

$Sim(A,B) = cos(\theta) = \frac{A \cdot B}{\|A\| \|B\|}$

K Nearest Neighbors

Class A
Class B
Class C

Model Training

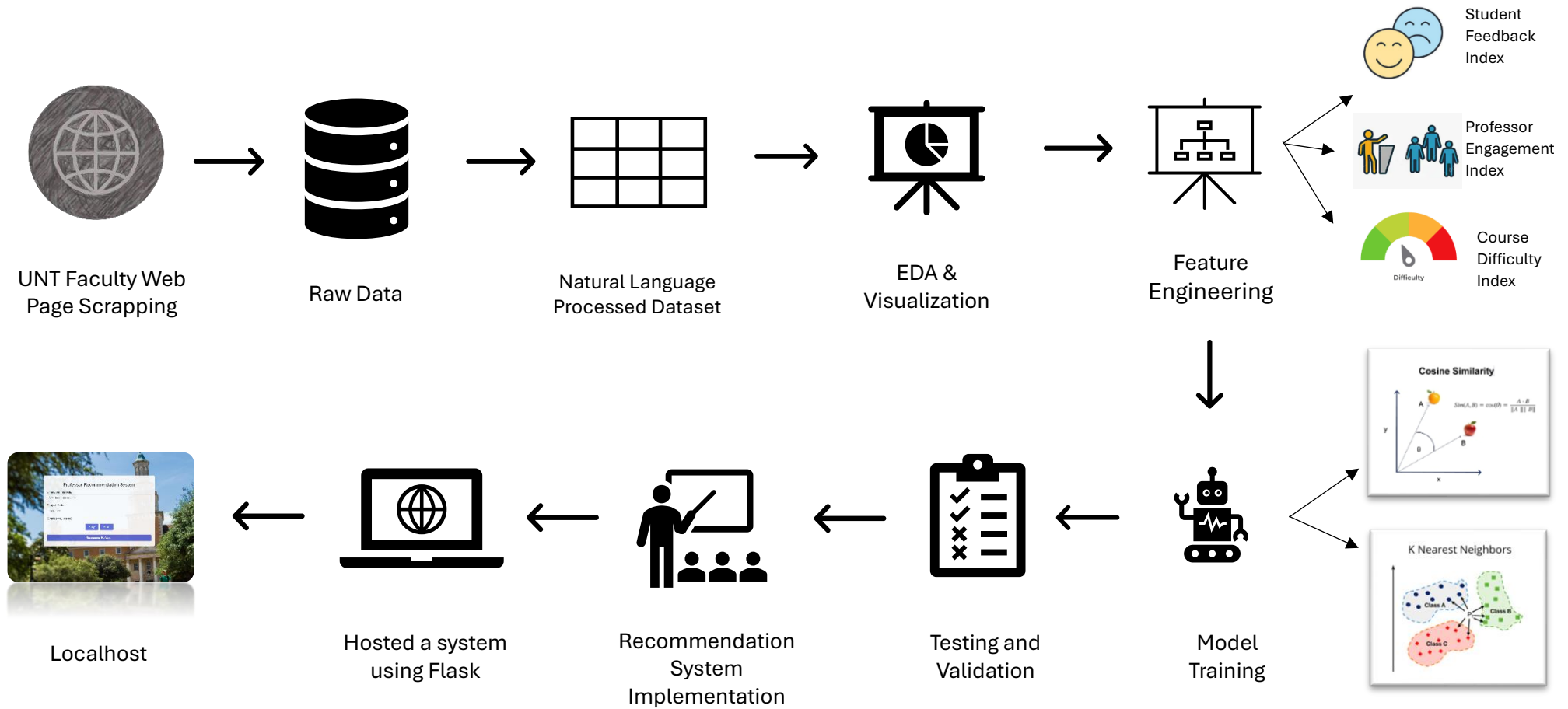Testing and Validation

Recommendation System Implementation

Hosted a system using Flask

Localhost

Ref- https://aitechtrend.com/how-cosine-similarity-can-improve-your-machine-learning-models/

https://blog.devgenius.io/exploring-knn-with-different-distance-metrics-85aea1e8299