

CSE 575 Report on Team Performance

Comprehensive Movie Recommendation Systems Study

Group - 9

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Our team decided to do a comprehensive study of models for movie recommendation answer decided to implement and compare 5 models and in the end make a hybrid model using the best version of the models. We firstly did the literature review individually and met a few times to decide what all we will be doing for our study. Based on the review we decided to implement below 6 models and compare the results.

Since we were 6 members we had the resources required to do this comprehensive study of 6 models. To utilize the time well we decided to split ourselves into groups of 2 each to implement and work on the models. Following is the table showing the task split. This helped us in managing the tasks and gauging the progress easily.

Name	Model1	Model2	Testing1	Testing2
Sunayana	Autoencoder	Content based	Collaborative	Matrix
Aakash	Autoencoder	Content based	Collaborative	Matrix
Vishnu	Collaborative	Matrix-factorization	Popularity	Hybrid
Jayshree	Collaborative	Matrix-factorization	Popularity	Hybrid
Dharmit	Popularity	Hybrid	Autoencoder	Content based
Abhinav	Popularity	Hybrid	Autoencoder	Content based

Firstly we implemented the model and wrote the milestone together, thereafter we had to improve our models, after the milestone most of our time was spent in improving our models and reduce the MAE and RMSE errors. We also started brain storming about the approach of the hybrid model after the milestone report and we met on zoom every week post milestone to decide on the hybrid model and assessing the overall performance. In each meeting we used to decide the next week's agenda and how each of the sub teams will progress next. All of the team members did their parts well on time and all the deadlines were met efficiently. We all continued the the same division for the presentation slides preparation as well. I would say that all of our team members performed their tasks well within timelines and we had no issues related to team management or communication.

There have been times when one of us was stuck in their implementation and they did not know how to proceed so we all used to either meet in library or attend a zoom call to figure out the solution together so that the team progresses continuously. All of the team members were equally devoted towards the project and all of us wanted to explore as much as we could for this interesting topic.