The ShowMe application will allow researchers to visualize the relations between research papers and their relevance. Since the application contains a huge dataset of research paper information, a search box will help the user to access the Research paper details quickly.

**Front End**

An auto-suggest / auto-complete feature will provide prompts that saves user from extensive keystrokes and results in quick access of the research paper information

**Server Side**

It is necessary to ensure that the search across the research papers happen quickly so as to provide suggestions to the user in the search box as the user starts typing.

With information such as Title, Year, Author and Publication, the user search may span across multiple fields of the paper dataset.

Approaches:

1) Indexing multiple fields of MongoDB database

2) Elastic Search