



Date: 31-July-2017

Name: Arya Tilekar

Designation: Data Scientist-Intern

Subject: Internship Certificate of Completion

This Certificate is awarded to **Arya Tilekar** on completing ~~her~~ internship program successfully at AlgoAnalytics Financial Consultancy Pvt. Ltd., Pune from 07-June-2017 to 31-July-2017. Under the guidance of her supervisor, Mr. Sangram Kapre, Arya could successfully complete the tasks and activities assigned to her.

Title of the Project: Analytics in Legal Domain

Description: The project aimed at building a portal wherein a text document or few keywords when given as input, most similar legal patents to the input document and patents containing most of the keywords or its synonyms, respectively, were displayed.

Responsibilities and skills:

- Mainly worked in NLP.
- Performed Text Analytics in Legal Domain where various techniques like LDA, LSA, word2vec, keyword extraction were tried on a corpus of patents' text in order to find similarity between the input document and the document in the corpus. Computed tf-idf score for each word in patent and shortlisted the words based on the scores; further performed keyword count in the short listed words of each patent and calculated score of each patent using the sum of keywords count and finally ranked them based on the score. In the end, this provided a list of ten relevant patents that contained input keywords and their synonyms.
- Made use of pre-trained models which were used to train Wikipedia and Google news data.

We found her hardworking and diligent in performing her work. We wish her success in her future endeavours!

Thanking You.

Sincerely,

Aniruddha Pant (PhD)

CEO AlgoAnalytics Financial Consultancy Pvt. Ltd.

Mobile Phone: 91-9822873624

Email: apant@algoanalytics.com