



Students' Placement Office, IIT Kanpur



Title of the Project	Text Summarization and Data Mining
Commencement Date	15 May 2017
Completion Date	Ongoing
Project Supervisor	Arnab Bhattacharya
Organization/Institution where the Project was accomplished	Indian Institute of Technology, Kanpur
Project Description (You can use extra A4 sheets in case you run out of space however the extra sheets should also have the seal & signature of the Project Supervisor or the relevant authority)	
<ul style="list-style-type: none">• Aim of project is to do Abstractive text summarization using Sequence to Sequence, attention based Recurrent Neural Networks.• Implemented and trained word2vec and Bag of Words models for word vectors.• Used the trained word vectors and pre-trained GloVe vectors to do Sentiment analysis.• Performed Handwriting Recognition on MNIST dataset via feed-forward neural net, and convolutional Neural Nets achieving 96% and 98% accuracy.• Experimented with quadratic, cross entropy and softmax loss functions to improve classification accuracy.• Read about the basics of Data Mining, Machine Learning, Knowledge Graphs and Natural Language Processing.	

Project Verification Form

By appending your signatures to this form you acknowledge and agree that:

- This form along with the certificate would serve as the official document between the project supervisor and Students Placement Office, IIT Kanpur regarding verification of the student's project work
- The student will provide additional information and documentation relevant to his/her project upon request by the Students' Placement Office
- The student has clearly defined his/her individual role in projects done in cooperation with other students, faculty, groups or company personnel.
- Incorrectly over-stating the reach, impact and/or quantitative/qualitative results of a project is unethical.
- In case of violation of any of the above rules, Students' Placement Office, IIT Kanpur reserves the right to take necessary action including de-registering the student from the placement season and reporting the misconduct to the Institute Authorities.

Submitted by:-	Project Supervisor Details:-
Name: Soumye Singhal	Name: Arnab Bhattacharya
Roll No: 150728	Designation: Associate Professor, Computer Science and Engineering, IITK
Signature:	Signature: