

## FSM Mid-Internship Review



## Chatbot for FSM

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**IITD-AIA FOUNDATION FOR SMART MANUFACTURING** 



## Objectives



- Learning NLP -70% (completed) 30 % if some topic left Learnt basic NLP and some introduction to advanced topic.
- Learning Web Scrapping (Beautiful Soup-70%)learnt Beautiful Soup to some good level (actually I parsed FSM Skills website which uses login token, username, password and one other field along with IAFSM Website)
- Implement web scrapping (95%)- (yes, scrapped the IAFSM website almost completely by scrapping out links from website)
- Generating json (dataset)(95%)- (done, with generation of dataset in the form of json)
- Learning Transformer Learning the transformer , done with architecture of it.
- Applying model for Training(0%) After learning Transformer and models I will start with this part of applying model to our dataset



#### Objectives



**Implement chat** – Transformer is capable of Text summarization, sentiment analysis, Text Generation, but not for chatting properly so need to look for that.

**Checking for accuracy(testing)** – After applying chat model and Training data we will test for question answers, and do the needful.

**Documentation –** Develop Report and documentation to submit as a final Submission to FSM and Research paper



#### Timeline - Gantt chart

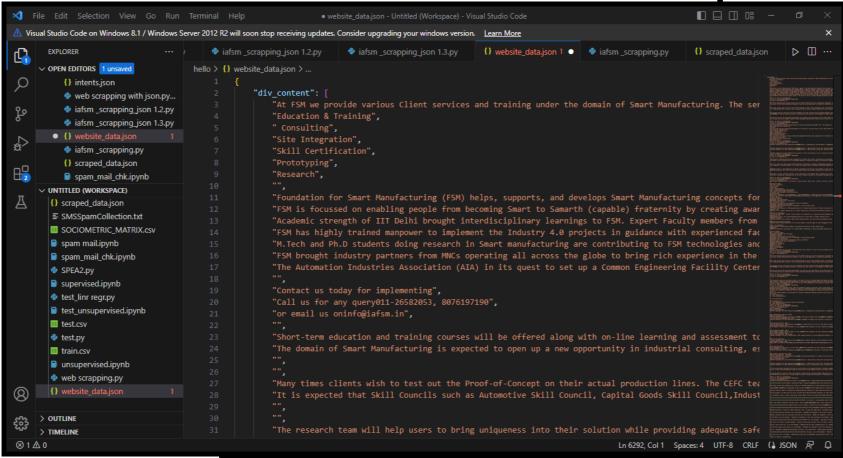


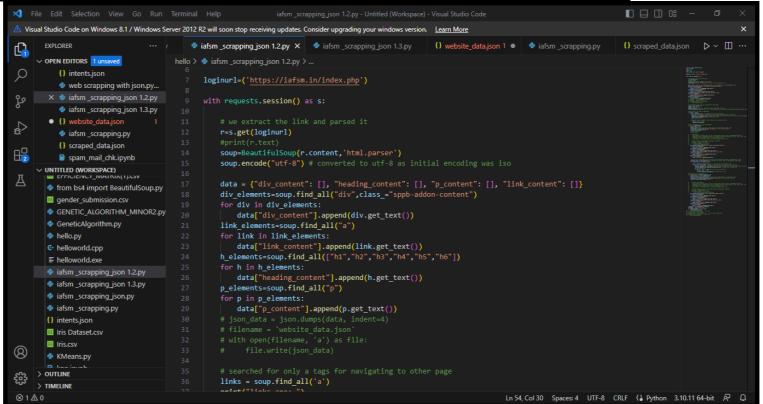
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S.No	NAME	START DATE	End Date	DURATION (in days)	Completed (Y/N)	
1	Learning NLP	7-Jun	18-Jun	1	Y	
2	Learning Scipy,RASA	8-Jun	10-Jun	1	Y	
3	Learning RASA	9-Jun	9-Jun	1	Υ	
4	Learning Tenserflow	10-Jun	10-Jun	1	Υ	
5	Learning Rule-based approach	11-Jun	11-Jun	1	Υ	
6	Learning Web-scrapping	12-Jun	15-Jun	1	Υ	
7	Data Collection(web-scrapping)	13-Jun	15-Jun	3	N	
8	Data-Preprocessing	16-Jun	18-Jun	3	N	
9	Implementing NLP(tokensization and Stemming	19-Jun	21-Jun	3	N	
10	Create Training data	22-Jun	26-Jun	5	N	
11	Model/Framework implementaion and Training	27-Jun	30-Jun	4	N	
12	Load the model and implement chat	1-Jul	8-Jul	8	N	
13	Test And Debug	9-Jul	12-Jul	4	N	
14	Testing and Training in order to increase accuracy	13-Jul	23-Jul	10	N	
15	Presentaion and Documentation	24-Jul	28-Jul	4	N	
	Total Duration			<u>50</u>		





#### Screenshots of development









# Thank You

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