



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2019	M.TECH	IIT Kharagpur	8.49 / 10
2017	B.E. (C.S.E.)	Institute of engineering & technology, DAVV	77.33%
2013	SSCE, CBSE	Christ Jyoti School, Satna	89%
2011	SSE, CBSE	Christ Jyoti School, Satna	9.8 / 10

## PROJECTS

<b>M.Tech Thesis:- Mining Fine Grained Disaster Related Information</b> - <i>Natural Language Processing, Machine Learning, Deep Learning</i> Analyze the text being generated in social media during the disaster and figure out the sub-events, current situation and provide the summary by answering each W question(What, When, Where, How). <i>Guide:-Prof Niloy Ganguly, IIT Kharagpur</i>	<b>[May-18 - Present]</b>
<b>Finding the influential users in the Twitter network</b> - <i>Complex Network</i> Goal of the project was to use temporal pattern of retweets combined with structural information of the network to identify the best set of influential users that can be targeted for viral diffusion in the Twitter network. <i>Guide:- Prof. Bivas Mitra, IIT Kharagpur</i>	<b>[Jan-18 - Mar-18]</b>
<b>Automatic Concept Map Generation from Text-based Learning Material</b> - <i>Natural Language Processing, Information Retrieval</i> Generated a Concept Map from a document by first converting text to simple language, identify important entities, finding the weighted relationship between entities, and then finally obtain a visual representation of the relations between entities. <i>Guide:- Prof. Plaban Bhowmick, IIT Kharagpur</i>	<b>[Apr-18 - Jun-18]</b>
<b>Clustering similar content in large datasets using LSH</b> - <i>Scalable Data Mining</i> Finding similarity between all possible combinations in a large dataset can be very time-consuming. To solve this problem, we have used Locality-sensitive hashing combined with Power Iteration Clustering. <i>Guide:- Prof. Sourangshu Bhattacharya, IIT Kharagpur</i>	<b>[Sep-17 - Nov-17]</b>
<b>Apparel Recommendation</b> - <i>Deep Learning, Machine Learning, Natural Language Processing</i> Content based Recommendation of apparels by calculation of weighted score (syntactic, semantic, and image similarity) between products obtained from Amazon real world dataset.	<b>[May-18 - Jul-18]</b>
<b>Fashion MNIST</b> Built a Neural Network, LSTM, GRU from scratch to classify products into 10 different categories including T-shirt, Pullover, Bag, Trouser etc.	

## COMPETITION/CONFERENCE

<b>Hackerearth- Mektronix Sales</b> (Top 5 percentile) Forecast monthly sales of a product from given previous sales data using machine learning techniques.
<b>Kaggle:</b> ( <a href="https://www.kaggle.com/nikhil741">https://www.kaggle.com/nikhil741</a> ) •Mercari Price Suggestion Challenge      •Titanic Challenge      •Digit Recognizer

## COURSEWORK INFORMATION

•Machine Learning •Complex Networks	•Deep Learning •Scalable Data Mining	•Language Processing for E-Learning •Analysis and Design of Algorithms	•Information Retrieval •Cloud Computing
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## SKILLS AND EXPERTISE

<b>Area of Interest:</b> <b>Programming Languages:</b> <b>Python Libraries:</b> <b>Miscellaneous:</b>	Machine Learning   Natural Language Processing   Deep Learning C   C++   Python Sckit-Learn   Tensorflow   Keras   NLTK   Pandas   Pygraphviz   Matplotlib Anaconda   Spyder   Apache Spark   StanfordCoreNLP   Solr
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## AWARDS AND ACHIEVEMENTS

- Currently under **2k** globally in Hackerrank Algorithm section.
- Secured **197** All India Rank in Computer Science **GATE-2017** (out of 97k candidates: 99.8 percentile)
- Secured **1st** position in Maths Olympiad at District Level College competition organized by **VITS, Satna**.

## CERTIFICATIONS

- 41 hours of Machine Learning A-Z Hands-On Python in Data Science course on Udemy.
- 23 hours of Deep Learning A-Z Hands-On Artificial Neural Networks course on Udemy.

## POSITIONS OF RESPONSIBILITY

- Currently working as **Teaching Assistant(T.A.)** for **Programming and Data Structures Lab(PDS-Lab)** at IIT-Kharagpur.

**Github:** <https://github.com/nikhil741>

**Hackerrank:** <https://www.hackerrank.com/nikhil741>