RASHMI RANJAN PATTNAIK
17ME10070

Mechanical Engineering(B.Tech)
Minor in Computer Science and Engg.
(B.Tech)

EDUCATION

YEAR	DEGREE/EXAM	INSTITUTE	CGPA/MARKS
2021	B-Tech	IIT KHARAGPUR	9.04/10
2016	AISSCE	D.A.V PKT	92.20%
2014	AISSE	D.A.V PKT	10/10

SKILLS AND EXPERTISE

- Programming Languages: C++,C,Python,JavaScript,Matlab and GNU Octave.
- Technical skills: Machine Learning, Convolutional Neural Networks, Natural Language Processing.
- Other tech. Skills: Data Analysis using ML, Image Processing.
- Libraries: Tensorflow,Keras,Numpy,Pandas,Scrapy,Scikit-Learn,etc.

COURSEWORK

- Natural Language Processing
- Probability and Stochastic Processes
- Computer Networks **
- Computational Number Theory**
- Algorithms Lab**
- Transform Calculus
- Programming and Data structures(Theory and Lab)
           ** indicates ongoing courses
      Online Courses Completed
- CS-229 (Machine learning by stanford)
- CS-231-n (except for GANS)

Projects and Achievements

NLP project on hate speech detection using Deep Learning Methods(ONgoing):

Currently working under professor Animesh Mukharjee on the detection of hate speech in a corpus of a messaging media using an Unsupervised clustering followed by supervised Learning methods to help in stopping the spread of fake and potentially harmful news among the common mass.

NLP Term Project On News Corpus Classification (COMPLETED):

Successfully completed the multi-label news corpus classification using the character level CNN text classification on the scraped data from Reuters(English-corpus) with a precision of 0.76 on the test-data for 19 classes, for the NLP term project for Autumn semester of 2019-20.

Brain Stroke Detection using Image Processing:

Worked during the summer of 2019 under prof. Nirmalya Ghosh on stroke detection in human brain using image processing techniques such as ORB and SIFT and other texture detection methods.

Flipkart grid 2019

Secured Top 20 rank in the institute and qualified for the third round of Flipkart Grid- Te[a]ch the Machines 2019 contest for predicting bounding box for sales products using Machine learning models and image processing techniques.

Snackdown-2019

Qualified for round 2 of online qualifiers for snackdown 2019 organised by Code-Chef and was among the top 1500 teams to get qualified for round 2.

Extra curricular Activities

Interhall Data Analysis competition:
Worked on detecting the type of congestion that might occur in the telecommunication industry by training a machine learning model on tower statistics in the Interhall DataAnalysis competition. (Mainly worked on the feature extraction methods and bagging algorithms.)

Gold in NSS IIT Kharagpur

Won the gold Medal in NSS annual camp in December 2017 for being the part of the unit that secured the first position. It is the highest medal that is given by Nss-IIT Kharagpur.