

Anurag Roy

COMPUTER SCIENCE UNDER-GRADUATE AT IEST SHIBPUR

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"Make the change that you want to see in the world."

Projects

Clustering Techniques

Dr. Jaya Sil, IEST Shibpur

ANALYSIS OF VARIOUS CLUSTERING ALGORITHMS

May. 2015 - Jul. 2016

- Implemented K means, K median, Hierarchical, parallel K means, DBScan algorithms from scratch in python
- Implemented Dunn Index and Davies index for evaluating the clustering models in python
- Analysed the accuracy of the algorithms on various well-known datasets.

Twitter Rumor Identification

Dr. Saptarshi Ghosh, IEST Shibpur

IDENTIFICATION OF RUMORS IN TWITTER IN REAL-TIME

Oct. 2015 - Feb. 2016

- Developed using python and scikit-learn a program which identified rumor tweets in real-time by learning from previous data.

Sleeping Beauties in Computer Science

Dr. Saptarshi Ghosh, IEST Shibpur

CHARACTERIZING SLEEPING BEAUTIES IN COMPUTER SCIENCE

March. 2016 - Exp. Oct. 2016

- Analysed the patterns followed by sleeping beauties in computer science

FIRE ISI Kolkata

Dr. Saptarshi Ghosh, IEST Shibpur &

Dr. Kripabandhu Ghosh, ISI Kolkata

RETRIEVAL OF TWEETS RELEVANT TO A GIVEN TOPIC USING DEEP LEARNING

Jul. 2016 - Exp. Oct. 2016

- Implemented unsupervised deep learning techniques to retrieve topic relevant tweets.

Summer Intern at CNERG, IIT Kharagpur

Dr. Niloy Ganguly, IIT Kharagpur

UNDERSTANDING RELATIVE IMPORTANCE OF CONTENT AND RESPONSES ON COMMUNITY SURVIVAL IN REDDIT.

May. 2016 - Jul. 2016

- Developed an online survey application in flask and jinja to create the training set from the reddit data.
- Used machine learning models to evaluate accuracy.

Deep Learning in NLP at IIT Kharagpur

Dr. Sudeshna Sarkar, IIT Kharagpur

DESIGNING AN EFFICIENT BENGALI-HINDI TRANSLATOR USING DEEP LEARNING.

Jun. 2016 - Jul. 2016

- Implemented Mikolov's recurrent neural network language model in python.
- Implemented a neural machine translation model in python.

Education

IEST Shibpur

Howrah, West Bengal

B.E. IN COMPUTER SCIENCE AND TECHNOLOGY

Aug. 2013 - PRESENT

- CGPA 7.9

Army Public School

Ballygunge, Kolkata

CLASS XII IN SCIENCE WITH COMPUTER APPLICATION

- 83 % (CBSE)

The Fure Foundation School

Tollygunge, Kolkata

CLASS X IN SCIENCE WITH COMPUTER APPLICATIONS

- 92 % (ICSE)

Co-curricular Activity

CodeIEST (programming club of IEST Shibpur)

FOUNDER & MACHINE LEARNING HEAD AT 2015

Oct. 2014 - March. 2016

- Founded a programming club at IEST Shibpur, along with 6 others.
- Became the head of Turing Chapter(machine learning chapter) of the club.

Classified(machine learning event)

INSTRUO 2016, IESTS

ORGANIZER

- Collected twitter data for the contest.
- Cleaned and organized the data into csv files.
- Developed a scoring methodology for the contest.
- Analysed the codes submitted by the participants.

Robodarshan(Robotics club of IEST Shibpur)

IEST, Shibpur

MEMBER

May. 2014 - Aug. 2015

- Designed a remote controlled Quadcopter.
- Designed a light and line follower.

Hackerearth Digital India Hackathon

online

CONTESTANT

Jan. 2016

- Participated in the machine learning track of the hackathon.
- Secured a rank of 67 in the hackathon

Technical Skills

Programming Languages, C, C++ , Java, Python,R, MySQL, SQLite

Areas of Interest, Data Science, Information Retrieval, Natural Language Processing, Machine Learning, Deep Learning, Big Data

TECHNICAL PROFILES

Hackerrank, www.hackerrank.com/ranarag

Hackerearth, www.hackerearth.com/users/anu15roy

github, <https://github.com/ranarag>