Ankita **Shreya**

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Date of Birth : 8 December 1996

Education

B.Tech 2015-19
International Institute of Information Technology, Bhubaneswar, Odisha
- Major in Computer Science and Engineering
- CGPA- 7.65/10

Intermediate 2015
Delhi Public School, Rourkela, Odisha
- Board : Central Board of Secondary Education
- Percentage : 81%

Matricluation 2013
Delhi Public School, Rourkela, Odisha
- Board : Central Board of Secondary Education
- CGPA : 10/10

Experience

January-June 2019
Machine Learning Intern | Athenas Owl, Quantiphi Inc., Mumbai
Worked on the project Textless Elements
- Consist of two modules the text detection module and the video similarity module
- In the text detection module the task was to identify text from video frames
- In the video similarity module the task was to identify textless frames for the texted frames
- Built the end to end pipeline for the execution of entire project

Python | Bash | Google Cloud Platform | AWS

Publication

2019 **Cancer Classification using improved Extreme Learning Machine**,with Swati Vipsita and Santosh Baliarsingh, accepted in CIBCB, IEEE 2019. Currently in proceeding for conference.

Research Experience

Cancer detection model using a novel approach — January- 2018

A cancer detection model using RBFN as the base classifier which involves the following contribution : a Jaya-optimization algorithm is used to reduce the search space to get the optimized hidden-centers. Further to which a novel method of dropping hidden center is applied to avoid over-fitting and finally with these optimized hidden center, weights from hidden to output layers are optimized Jaya

Python | numpy | matplotlib | scikit-learn

Designed and implemented the RBFN using three different learning methods — August- 2017

Implemented RBFN(Radial Basis Function Network) using three different approaches for learning : Gradient Learning, Three-Step Learning and GA with the aim to optimize the network

Python | numpy | matplotlib | scikit-learn

Implemented RBFN on micro-array data for its classifiaction — February- 2017

On the Colon Tumor dataset implementedPCA(principal component Analysis) and GA(Genetic Algorithm) for extracting relevant features and RBFN(Radial Basis Function Networks) is used as a classifier

Python | numpy | matplotlib | scikit-learn

Classification of gene expression micro-array data using a novel approach — August- 2016

A hybrid approach of PCA(principal component Analysis) and GA(Genetic Algorithm) is used for extracting relevant features and PNN(Probabilistic Neural Networks) is used as a classifier and further GA is implemented to optimize the PNN.

Python | numpy | matplotlib | scikit-learn

Computer Proficiency

- Python
- C++
- Bash
- Latex

Academic Achievements

- Selected for **ACM** 2nd Europe's Summer School on Data Science, 2018
- Awarded **Certificate of Appreciation** by Delhi Public School, Rourkela for securing CGPA-10 in AISSE in 2013
- Secured School Rank-8, City Rank-68 at **IMO** (International Mathematics Olympiad), 2010

Position of Responsibility

- **Treasurer**, ACM- IIIT StudentChapter, Bhubaneswar, 2017-18
- **Member**, Technical Society, IIIT Bhubaneswar, 2016-17