

## **Education**

- PhD in Computing and Information Sciences, **Rochester Institute of Technology**, New York, USA. Fall 2018 – present.  
Advisor – **Dr. Linwei Wang**.  
Focus Area – Machine Learning and Optimization in Cardiac Healthcare.
- B.Tech in Information Technology, **St. Thomas' College of Engineering and Technology**, Kolkata, India. GPA – 8.37 on 10. 2014-2018.  
Final Thesis – Prediction of protein-protein interaction using machine learning.  
Major Courses – Discrete Math, Algorithms, Data Structures, Object Oriented Programming, Image Processing.

## **Skills and Programming Languages**

- Python, experience in programming and using major APIs, like NLTK, Numpy, Scikit.
- MATLAB, experience in programming and using major toolboxes like image processing and neural nets.
- Java – Working Proficiency.
- C++/ C – Experience in taking undergraduate level courses.

## **Publications**

- A Scaled Conjugate Gradient Backpropagation algorithm for keyword extraction, INDIA – 2017, Springer. Ankit Aich, Amit Dutta, Aruna Chakraborty.
- A crawler-parser based method for newspaper scraping and reverse searching of desired articles, FICTA 2017, Springer. Ankit Aich, Amit Dutta, Aruna Chakraborty.

## **Internships**

- Research Intern – Jadavpur University, Kolkata – Worked on training the ABB – IRB 120 Robot to respond to basic human commands.
- Educator of English Intern – Unacademy, India – Taught English at India's largest free education platform for two months and had 10k+ followers in the online course.

## **Major Industrial Trainings**

- Training on Ethical Hacking and Information Security, Govt. of India, 2015.
- Workshop on Java and Numerical Methods, 2016.
- Training on Machine Learning using R programming language, Dirac Solutions, 2017.

## **Other Projects, Awards and Programming Experience**

- Project on designing A career council system for high school students, 2015.
- Secured 94<sup>th</sup> Percentile in National Programming Aptitude Test, 2016.
- Designed personal website for hosting a resume on Github, 2017.
- Two times recipient of student research award, St. Thomas' College, 2017.

## **Other Non -Technical awards**

- Runners up of Improvisato, State Level Impromptu Speaking Competition, 2015.
- Winner of multiple public speaking competitions and debates.
- Holder of 1<sup>st</sup> Kyu, in Shotokan Karate.