Tanmoy Ghosh

CONTACT
INFORMATION

Third Year Undergraduate
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RESEARCH
INTERESTS

Machine Learning, Natural Language Processing

EDUCATION

National Institute of Technology Durgapur, West Bengal, India   2016 – present
Bachelor of Technology(B.Tech)   Expected completion in 2020
CGPA after Fourth Semester : 9.45

Kendriya Vidyalaya,Saltlake, Kolkata, West Bengal, India   Year of Passing : 2016
AISSE Examination
Percentage : 94.8%
Stream: Science
Board : Central Board of Secondary Education

Kendriya Vidyalaya,Saltlake, Kolkata, West Bengal, India   Year of Passing : 2014
AISSCE Examination
CGPA: 10.0
Board : Central Board of Secondary Education

TECHNICAL SKILLS

Programming Languages: C++, C, Javascript, Python, HTML, CSS
Operating Systems: Linux, Windows
Technologies: Git, Docker, Ansible
Graphics Designing: Adobe Photoshop, Adobe Illustrator

PROFESSIONAL
EXPERIENCE

Indian Institute of Technology Bombay,
Mumbai, Maharashtra India.   May 2018 – July 2018
Ekalavya Summer Intern
Supervisor : Prof. D.B. Phatak

- 73 out of 3281 applicants chosen to be a ekalavya Fellow 2018.
- Open edX and Sunbird are two of the online learning initiatives at IIT Bombay, which uses cloud as data store for all types of contents. This project aimed to explore the possibility of enhancing the Sunbird and Open edX platforms to adopt OpenStack Swift as an alternate cloud based data store.
- Worked on understanding Sunbird Architecture and present it to the entire team. Built APIs using node.js to connect the Sunbird platform with the Swift storage, thus providing features like creating, modifying, fetching, deleting content from storage.

National Institute of Technology Durgapur,
Durgapur, West Bengal, India.   December 2017 – Present
Undergraduate Research Assistant
Supervisor : Dr Subrata Nandi

- I am currently working as an undergraduate research assistant in my department. The objective of my current project is to a devise an Energy Aware Text Summarization Algorithm.

- I studied different Text Summarising algorithms like Frequency Summarizer, SumBasic, Latent Semantic Analysis, LexRank and etc.
- I went through each algorithms time and space complexities by applying them on a large set of tweets and thus trying to devise a hybrid algorithm which would produce good summary as well consume less Energy so that it can be used during a Post-Disaster Energy Crisis.

AWARDS AND FELLOWSHIPS
- Maths (AISSCE) : 99/100 (Merit Certificate for being in top 0.1% students)
- Computer Science (AISSCE): 100/100 (Merit Certificate for being in top 0.1% students and achieving 100%)
- International Maths Olympiad(Science Olympiad Foundation-2015) : Secured rank 13 in West Bengal
- National Science Olympiad(Science Olympiad Foundation-2015) : Secured rank 4 in West Bengal
- Data Encryption Software : Secured 3rd position in Regional Level Jawaharlal Nehru National Science Exhibition For Children 2014-2015 , Participated in National Level.

POSITION OF RESPONSIBILITY
- **Web Developer** at GNU/Linux Users Group (NIT Durgapur)
- **Graphics Designer** at Maths N Tech Club (NIT Durgapur)

EXTRA-CURRICULAR ACHIEVEMENTS
- Member of NIT Durgapur Cricket Team in the year 2016-2017. Participated in Inter-NIT Cricket Tournament 2017.
- Represented School in Regional Level Table Tennis competition.
- Singing, Playing Guitar.

REFERENCES
- **Dr. Subrata Nandi**
  Associate Professor,
  Department of Computer Science and Engineering, NIT Durgapur
  email : subrata.nandi@cse.nitdgp.ac.in

- **Dr. Sujoy Saha**
  Assistant Professor,
  Department of Computer Science and Engineering, NIT Durgapur
  email : sujoy.ju@gmail.com