

Resume

Basic information

Name	Subhasree Majumder
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Education

Oct 2020 - Present	PhD (pursuing) IISC Bangalore
August,2018 - August, 2020	M.Tech in Computer Science and Engineering National Institute of Technology, Meghalaya
August,2012 - April,2016	B.Tech in Computer Science and Engineering B.P.Poddar Institute of Management and Technology, Kolkata

Courses

- Algorithms for Big Data Biology
- AI for Medical Prognosis and Diagnosis
- Introduction to Genomics Technologies
- Bioinformatics
- Structural and Conformational Aspects of Biomolecules
- Computational Drug Discovery
- Machine Learning for Engineering and Science Applications

Work experience

Dec, 2016 - July, 2018	Programmer Analyst Cognizant Worked on developing Chatbots, Robotic Process Automation applications and other automation tasks.
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October, 2023 - February, 2024	Intern Aurigene Pharmaceutical Services, Bangalore, India Virtual Screening of drugs for AT-Rich interacting domain of proteins using GPU enabled docking software.
August 2022 - November, 2022	Graduate Teaching Assistant IISC Bangalore Assisted in teaching Bioinformatics (DS 201) to Masters and PhD students.
January, 2023 - March, 2023	Computer Science Educator Codingal Taught programming skills to school children from Bangladesh and India .

Publication

Majumder, Subhasree, et al. "Fuzzy and Rough Set Theory Based Computational Framework for Mining Genetic Interaction Triplets from Gene Expression Profiles for Lung Adenocarcinoma." IEEE/ACM Transactions on Computational Biology and Bioinformatics (2021).

Majumder, Subhasree, et al. "Prediction of Small Molecules Binding Site with RNA as a Target" at 15th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT), IIT Mandi Himachal Pradesh (accepted).

Workshops and Conferences

- High-Throughput Drug Discovery for Target Biomolecules Using Machine Learning accepted for presentation at INBIX/ADNAT 2024, Banaras Hindu University, India
- Presented short project work "Classification of cancer types from RNA Expression Analysis of TCGA Data" at the Statistical Genomics Workshop, NCBS, India, September, 2024.
- Volunteered at the Head and Neck Cancer Conference, IISC Bangalore, July, 2024
- Presented oral talk at the 15th International IEEE Conference on Computing, Communication and Networking Technologies (ICCCNT) at IIT Mandi, Himachal Pradesh, June 2024
- Attended Winter School on Large Language Models at the School of Artificial Intelligence, Amrita School of Engineering, Coimbatore, January 2024
- Volunteered at BDBio 2023 (Symposium on Computational Biology), CDS, IISC Bangalore, April 2023
- Attended CECAM Recent Advances in Machine Learning Accelerated Molecular Dynamics in March 2022
- Attended Workshop on Bioinformatics and Computational Biology by SCFBIO, IIT Delhi, New Delhi in May-June, 2019
- Attended Workshop on Data Science: Industry and Research Perspectives organized by Department of CSE, NIT Meghalaya, Shillong India, October 2018.

Achievements

- Silver Medal for academic excellence in M.Tech Computer Science Engineering, NIT Meghalaya - 2020.
- Accepted presentation of Poster Abstract on Data Mining in Cancer Research at Research Conclave 2019, IIT Guwahati.
- Qualified Graduate Aptitude Test in Engineering Examination, 2018.
- Recipient of MHRD M.Tech Gate Scholarship 2018-2020.
- Team secured 1st prize in Google Dialogflow Concept Building at Cognizant Salesforce Day, Bangalore 2018.
- Selected as a Cognizant Orbit Shifter, ranking among the top 2% trainees recruited nationwide in the 2016 placement drives.
- Represented BPPIMT at TATA First DOT NEN for Social Entrepreneurship in 2013, showcasing NSS work on the education of slum children.

References

References provided on request.