

# Sudeepto Saha

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<b>Education</b>	<i>B.Sc. in Biochemistry and Biotechnology</i> Independent University, Bangladesh (Completed 74 credits towards a degree)	Fall,2020-Present  CGPA: 3.97/4.0
	<i>Bachelor of Architecture</i> North South University (Completed 87.5 credits towards a degree)	Spring,2018-Summer,2020
<b>Awards and Honors</b>	Vice Chancellor's Honour List	Summer,2021
	Dean's Honour List	Spring,2021
	Dean's List	Fall,2020
<b>Publications</b>	<b>Saha, S.</b> , Araf, Y. Promon, S.K. Circulating tumor DNA in cancer diagnosis, monitoring, and prognosis. J Egypt Natl Canc Inst 34, 8 (2022). <a href="https://doi.org/10.1186/s43046-022-00109-4">https://doi.org/10.1186/s43046-022-00109-4</a>	
<b>Research Experiences</b>	<b>Research Assistant</b> Department of Physical Sciences, Independent University, Bangladesh Supervised by DR. Khan M. B. Asad	Spring 2021 - Present
	<ul style="list-style-type: none"><li>Characterizing primary beams of radio astronomy antennas using astronomical observations and modern statistical techniques.</li></ul>	
	<b>Research Internship</b> Plant Biotechnology Lab, Dhaka University Mentored by Dr. Zeba Islam Seraj	September 2021 - November 2021
<b>Relevant Coursework</b>	<ul style="list-style-type: none"><li>Effect of rhizospheric and endophytic bacteria on root architecture and gene expression for improved salt tolerance of rice</li><li>RAPD assay of wild-type rice variety in Bangladesh</li></ul>	
	Cell Biology, Molecular Genetics, Biochemical Techniques Laboratory, Recombinant DNA Technology, Genomics, Proteomics and Bioinformatics, Biotechnology and Genetic Engineering: Concepts and Applications, Plant Biochemistry and Biotechnology, Cellular and Molecular Neurobiology.	
<b>Skills</b>	<ul style="list-style-type: none"><li>Programming languages: Python, R</li><li>Bioinformatics Tools : BLAST, MEGAX, Primer 3, Expassy, Sequence Manipulation Site, TMHMM, IDT, String, Interpro and Phyre</li><li>Laboratory Skills: Polymerase Chain Reaction, DNA Gel Electrophoresis, ELISA, Leishman Staining, Gram Staining, DNA extraction, RNA extraction, Plasmid Isolation, Cholesterol Determination Test, CRP Test, Blood Grouping, UV-Vis Spectroscopy.</li><li>Software: LaTeX</li></ul>	

<b>Outreach</b>	<i>HR Director, Life Sciences Club, IUB</i>	<i>July 2021 - present</i>
	<ul style="list-style-type: none"> <li>• <i>Plan, direct, and manage all human resource initiatives.</i></li> <li>• <i>Collaborate with department officers to organize different workshops.</i></li> </ul>	
<b>Extracurricular Activities</b>	<i>Community Architect, Platform of Community Action and Architecture</i>	
	<ul style="list-style-type: none"> <li>• Involved in the “Alada Ghor” initiative which is a set of scenarios and suggestions to assist especially marginalized communities in learning and practicing how to manage, build and maintain space related systems and behaviors to practice safe distancing, isolation, and quarantine in order to stop the transmission of COVID-19 and stay healthy as a community.</li> </ul>	
	<i>Founder, Shruto Org.</i>	
	<ul style="list-style-type: none"> <li>• <i>An initiative where we have started building an audio-book library for the visually impaired people.</i></li> </ul>	
<b>Reference</b>	<i>Dr. Sabrina Moriom Elias</i> <i>Assistant Professor</i> <i>Independent University, Bangladesh</i> <i>Department of Life Sciences</i> <b>Email:</b> <i>sabrina.elias@iub.edu.bd</i>	<i>Khan Muhammad Bin Asad, PhD</i> <i>Assistant Professor</i> <i>Independent University, Bangladesh</i> <i>Department of Physical Sciences</i> <b>Email:</b> <i>kasad@iub.edu.bd</i>