**Shreyoshi Ghosh**

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**OBJECTIVE**

Seeking a graduate internship in bioinformatics and/or data science.

**ABOUT ME**

I am a first-year student at the Graduate School of Arts and Sciences at NYU working towards a master’s degree in Bioinformatics. I completed my undergraduate degree majoring in Biomolecular Sciences along with a double minor in data science and science and technology studies at the Tandon School of Engineering at NYU.

**EDUCATION**

**M.S. Bioinformatics (In Progress)**

**New York University, Graduate School of Arts and Sciences**

**B.S. Biomolecular Sciences/ Data Science Minor**

**New York University, Tandon School of Engineering**

**RELEVANT COURSEWORK**

Genomics, HPC, Databases, Data Mining, Machine Learning, Genetics and Genomics, Biostatistics, Causal Inference, Advanced Molecular Biology, Advanced Cell Biology, Physiology, Stem Cells and Development, Calculus, Physics, Organic Chemistry, Quantum Chemistry, Biochemistry

**RESEARCH**

**Undergraduate Research May 2020 – Jan 2022**

*Clinical Biophotonics Laboratory (Dr. Andreas Hielscher) NYU Tandon*

* Researched early prediction of pathologic complete response in breast cancer neoadjuvant chemotherapy based on pretreatment data obtained with dynamic diffuse optical tomography under the guidance of Dr. Mirella Altoe and Dr. Andreas Hielscher.
* Largely focused on data preparation, statistical analysis and predictive modeling of breast cancer patient data using R.
* Led to first authorship of research paper in collaboration with Drs Altoe and Hielscher presented at the SPIE Photonics West Conference 2022.
* Publication available at: [http://dx.doi.org/10.1117/12.2610136](https://urldefense.proofpoint.com/v2/url?u=http-3A__dx.doi.org_10.1117_12.2610136&d=DwMF-g&c=slrrB7dE8n7gBJbeO0g-IQ&r=GMCLl3Zz_HXG0kb7-tkiIQ&m=mAlNKXIB3pK9_sYPF4sRJUg1WrK52jPdQXPBtKuBehoUEufE1c7IZMe1S74L50xa&s=PAypTAWv-HFk7rcCOVoHcnWp8DaMOw4VYeccFCOE1QM&e=)

**SKILLS**

* **Programming:** Python (Pandas, Numpy, SciPy, StatsModels, Matplotlib, Scikit-Learn, Seaborn), R/R Studio (Tidyverse, dplyr, ggplot), Visual Studio Code, Jupyter Notebooks, Bash, Slurm/HPC, SQL (SQLite, MySQL), RandomForest, SVM, gradient boosted trees, linear & logistic regression
* **Skills:** Problem solver with attention to details. Skilled communicator and leader with prior experiences in decision making and collaboration. Hard working with curiosity, dedication and a love for science.