Subhankar Ghosh

subhankarghosh.com | subhankar.ghosh@nyu.edu | +1 (917) 330-9487 | 80 Lafayette St, New York, NY 10013

Education	**New York University**	Sep 2013-May 2017, New York, USA (expected)

B.A., Computer Science & Mathematics, GPA: 3.93/4.00

Relevant Coursework: Algorithms, Machine Learning, Computer Vision, Good Design, Math Modeling, Probability Theory, Casing Methods

Study Abroad: Intensive French language courses in Paris, France

Professional Experience

NYU Center for Data Science, *Research Assistant* — Jun 2016-present, New York, USA

- Examined learning mechanisms of Convolutional Neural Networks used for object recognition and discovered similarities with those of human beings
- Designed tests to identify patterns in learning by constructing image data sets and inspecting intermediate layer representations of data
- Improved efficiency of experimental data generation ~100x by automating various tasks

Capital Float, *Decision Sciences Analyst Intern* — Jun-Aug 2015, Bangalore, India

- Discovered lending opportunities in the Indian Small & Medium Enterprise credit market by analyzing credit related decision processes and exploring unconventional data sets
- Created 2 credit products with ~INR 30MM monthly sanctions and ~20% annual returns
- Improved underwriting efficiency through predictive modeling of credit applications and analysis of data logs to identify process bottlenecks

NYU University Learning Center, *Learning Assistant* — Jan 2015-present, New York, USA

- Provide free, equal opportunity tutoring to NYU students in Math, CS and Economics
- Develop teaching strategies, workshops and aids aimed at finding lacunae in foundational knowledge and addressing individual needs

Courant Institute, *Teaching Assistant* — Sep 2015-present, New York, USA

- Facilitate problem solving sessions for 200 students to assist final development of an experimental "flipped" Calculus I class leading to exam scores 10% above cohort average
- Hold office hours, grade labs and track student scores for Computer Systems Organization

Skills

Programming: Python, Java, C, MATLAB, bash script, HTML, CSS, VBA (in order of proficiency)

Software   : Mac OS, Linux, Apple iWork, Microsoft Office, Adobe Lightroom

Language   : English (Native), French (Working), Hindi (Working)

Honors & Scholarships

Presidential Honors Scholarship, Kushner Family Dean Scholarship, Silverstein Scholarship, Clelia Abele Scholarship for Mathematics & Science, Dean's Honor List every semester

Activities

Tech@NYU — Sep 2016-present, New York, USA
Treasurer & Member of Executive Board

- Manage budget allocation, expenditure forecasting, and correspondence with university administration for NYC's largest student-run organization of hackers, builders and designers
- Automate treasurer responsibilities by tracking and identifying patterns in operations work

Model United Nations — Oct 2014-Oct 2015, New York, USA
Committee Vice-Chairman & Communications Staff

- Facilitated communication between 13 committees to foster consensus and crisis resolution
- Honed public speaking & debate skills by participating in weekly debates about global affairs

Interests

Photography, Architecture and Urban Design, Jazz, Cars, Mental Health Awareness, Cooking, Modern Art, Furniture Design, Street Fashion, Watches