

KRISTA U. SINGH

Bronx, NY 10473 | (914)-565-0030 | krista.u.singh101@gmail.com | GitHub: [KristaUSingh](#) | LinkedIn: [KristaUSingh](#)

EDUCATION

Macaulay Honors College at The City College of New York

New York, NY

Bachelor of Science in Computer Science, Applied Mathematics Minor

Spring 2027

GPA: 3.8

Scholarships: Macaulay Honors; Peter F. Vallone; New York State Academic Excellence

Awards: Dean's List Fall 2023, Spring 2024, Fall 2024

SKILLS

Programming Languages & Environments: C++: Intermediate | Python: Intermediate | HTML, CSS, Javascript: Intermediate | Swift: Beginner | MIPS Assembly: Beginner | R: Beginner | Visual Studios | G++ | GitHub

Design: Cricut: Expert | Canva: Expert | Adobe Illustrator: Expert | Fusion 360: Intermediate | Instagram: Expert

Machinery: 3D-printing: Expert | Laser-Cutting: Expert | Cricut: Expert | CNC Router: Beginner

Suites: Microsoft Office: Expert | G-Suite: Expert

Languages: Creole and Pidgins - English-based: Fluent | Hindi: Conversational

Other: Time Management: Excellent | Problem-solving: Excellent | Verbal & Written Communication: Excellent

ENGINEERING PROJECTS

Hurricane Effects on Water Quality & Harmful Algal Blooms (2024):

- Implemented the programming language R to create data visualizations for research poster
- Presented findings at the STEAM Festival event held at Macaulay Honors College

Reverse-engineering Cricut Machine Models (2024):

- Cricut Maker & Cricut Maker 3 using Fusion 360 software to CAD (Computer-Aided Design) 3D models

Recognition For ALL (2021):

- Utilized Swift to develop an IOS application to raise awareness for underdeveloped countries
- Raised awareness for countries with no media representation and their unique stories and history

EXPERIENCE

NYC FIRST (New York, NY)

Program Coordinator

Sept. 2024 - Present

- Coordinate STEAM Programs/workshops at the Washington Heights STEM Center for the community
- Support NYC FIRST teams in with their competitive robot creation for World Championship qualifications
- Transform the robotics STEAM industry to put NYC on the scale for recognition with youth interaction
- Teach 3D skills to make custom designs using Fusion 360 software, Bambu Labs, CNC milling, etc.

I.N.T. Robotics (New York, NY)

Co-Founder/Head Coach

Jul. 2023 - Present

- Develop a **501 c(3)** non-profit robotics organization to **Inspire New Trends (I.N.T.)** in STEAM across NYC
- Manage logistics with team sponsorships, fundraising, and registration with *FIRST* Global & NYC FIRST
- Aid team with product development in t-shirts, portfolios, banners, flyers, etc. for team branding
- Facilitate **20+** students in *FIRST* Lego (**#66061**), Tech (**#23513**, **#23806**) & Robotics Competitions (**#9642**)

FIRST AmeriCorps (New York, NY)

AmeriCorps Member

Aug. 2023 - Jun. 2024

- Expanded *FIRST* mission through coaching, mentoring, and supporting students in multiple school districts
- Spread *FIRST* resources to underserved areas in NYC: lower socioeconomic places, rural areas, etc.
- Worked part-time over **10-months** in NYC *FIRST* STEM Centers in Washington Heights & Cornell Tech
- Received training at *FIRST* head facility in New Hampshire in FLL, FTC, & FRC to assist kids ages **3 - 18**

EXTRACURRICULARS

Indian Music (Bronx, NY)

Singer and Harmonium Player

Mar. 2015 - Present

- Practice foundations of music with vocal training and instrument playing on various musical scales
- Model cultural aspirations regarding the Indo-Caribbean community on a spiritual and collaborative basis

Bharatanatyam (New York City, NY)

Dancer

Oct. 2011 - Present

- Achieve mastery of this Indian classical dance style after **7 years** of training
- Perform locally around the Indo-Guyanese community for occasions and Hindu holidays