

# Elifia Muthia

New York, NY 10027 | (646) 510-6168 | [em3308@barnard.edu](mailto:em3308@barnard.edu)  
[elifia-muthia.github.io](https://github.com/elifia-muthia) | [linkedin.com/in/elifia-muthia](https://linkedin.com/in/elifia-muthia) | [github.com/elifia-muthia](https://github.com/elifia-muthia)

## EDUCATION

**Barnard College, Columbia University** | New York, NY | *BA in Computer Science* Expected May 2024  
Dean's List (Fall 2020, Spring 2021, Fall 2021, Spring 2022) GPA: 3.96  
Relevant Coursework: Data Structures & Algorithms, Artificial Intelligence, Advanced Programming, Linear Algebra

## TECHNICAL SKILLS & LANGUAGES

**Technical:** Java, Python, C, R, MATLAB, Javascript, HTML, CSS, SQL, MySQL & PostgreSQL, MIPS, Git/GitHub  
**Languages:** Indonesian

## PROFESSIONAL EXPERIENCE

**Barnard Programming Languages Lab, Barnard College** | New York, NY | *Research Assistant* Jan. 2022 – Present

- Developed a software with Columbia's Neurological Institute to measure tremor severity
- Funded by the Summer Research Institute
- Wrote code as part of team and underwent code quality reviews
- Regular meetings and presentations to report on progress of research
- Wrote and edited academic work for presentation and publication

**Professor Muladi, Semarang University** | Jakarta, ID | *Administrative Assistant* April 2020 – Dec. 2020

- Facilitated communication between Professor Muladi and his book publishing team at Semarang University
- Marketed and sold over 500 limited signed copies of Professor Muladi's books
- Managed over 125,000,000 IDR in gross earnings

**Private Tutor** | *Mathematics and Computer Science* | Jakarta, ID | New York, NY (Remote) Dec 2019 – Present

- Tutored 8 middle school and high school students each for 1 hour a week
- Enabled 3 students attain scores of 5 in AP Computer Science and Calculus & 7 in IB Computer Science
- Monitored each student's progress to ensure students' academic success
- Adopted different teaching strategies to better suit students' learning styles and goals

**Docotel** | *Software Developer Intern* | Jakarta, ID June 2018 – Aug. 2018

- Developed an app with a team of 5 using Java and MySQL database
- Met daily with a mentor to update them on my progress
- Compiled meeting notes with clients for accurate project documentation
- Wrote progress reports tracking the milestones and problems encountered to maintain deadlines
- Tested and identified bugs across 3 different projects

## LEADERSHIP & COMMUNICATIONS EXPERIENCE

**Columbia Indonesian Society** | New York, NY | *Community & Student Life Team* Sept. 2021 – Present

- Organized large-scale events alongside a team of 4 to strengthen the Indonesian community at Columbia
- Negotiated with the executive board to secure \$200 in funding for the team

**E-commerce Club, Jakarta Intercultural School** | Jakarta, ID | *Co-President & Co-Founder* Jan. 2019 – May 2020

- Co-founded the club to provide an E-commerce site for service clubs who rely on merchandising to attain funds
- Interviewed service club leaders and consulted them to align the product with their expectations
- Led the technical team in the construction of the E-commerce website and oversaw the team's progress