**Muskan Kapoor**

muskankapoor016@gmail.com | 347-430-3250 ​|

<https://github.com/muskankapoor> (portfolio) | <https://www.linkedin.com/in/muskan-kapoor-266011164/>

**Education**

**City University of New York Hunter College, New York City** Bachelor’s Degree expected May 2021

Major: Computer Science, Minor: Mathematics GPA:3.5/4.0

**Honors: Daedalus Scholarship Honors Program for academically talented computer science students, Janovic Scholar**

Relevant Coursework:

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| --- | --- |
| Computer Science | Math |
| Computer Science Theory, Computer Architecture 2, Analysis & Design 3, **Data Structures & Algorithms,** Computer Science Theory, Computer Architecture 1, Software Analysis & Design 1 | Maths Proofs, Applied Statistics, Calculus with Analytic Geometry 2, Discrete Structures, Calculus with Analytic Geometry 1, |

**Manhattan Hunter Science High School (Early High School College), New York City** Graduated 2017

**Summary of Achievements:** Senior year studied at Hunter College, Advanced Regents Diploma with Honors, Advanced Regents Designation with Mastery in Math, Congressional Awards Bronze Winner, National Honors Society Member, Cumulative Average: 97.00%

**Relevant Experience and Projects**

**Facebook Above & Beyond Computer Science (ABCS) Program, Software Development** September 2019 - Present

* Applying computer science knowledge through real-world applications in Facebook through interview topics and showcase talent and work potential during industry technical interviews. GitHub link: <https://github.com/muskankapoor/FacebookABCS>
* Selected as one of the participants for high achieving talent in tech and being mentored and trained by Facebook's software engineers.

**Blackstone, New York City, Software Developer Intern** January 2019

* Developed and designed *Let’s Get Lunch*, a console app, utilizing C# and SQL with database management to improve the efficiency of communication across the national and international offices. Collaborated with a team of senior professionals.
* Project fulfilled all software development life cycle aspects: analysis, technical design, development, database management, and testing

**Google and Hunter’s Mentor Program, New York City, Software Development** November 2018 – June 2019

* Implemented Minimax algorithm for the 2048 game using machine learning and Python
* Selected as one of the participants for high achieving talent in tech that received mentoring from a Google engineer and engaged in career development workshops and technologies. Project link: <https://github.com/muskankapoor/Minimax_tutorial>

**CodePath Mobile App Design Program**  October 2018 - December 2018

* Created an Android app called ‘Flashcard App’ and designed an app called ‘*Planner App*’ that organizes the lives of professionals
* Mentored by IT professionals and leaders from top tech companies, including Facebook

**Hunter College Cybersecurity Internship**  August 2018

* Implemented a practical application of DDoS attacks and networks. Introduced to internet protocols, Big data, and cloud computing

**Independent Projects**

**Hunter College Software Development Project Program, Software Development** June 2019 – August 2019

* Worked with a team to develop a real estate price prediction website
* Created a prediction model and a user-friendly interface, through machine learning and data science, to enable users to input desired features and receive a housing price estimate. Project link: <https://github.com/muskankapoor/PredictHousingPricesmachineLearning>

**Machine Learning Linear Regression Project** <https://github.com/muskankapoor/MachineLearningLinearRegressionProject> May 2019 – July 2019

* Used linear regression, Python, and Jupyter Notebook to analyze customers’ data
* Condensing the set of data into a line which provides an equation that shows a correlation on the variables that affect the customers’ yearly amount spent on the website.

**Connect4 Two-Player Game Project** <https://github.com/muskankapoor/Connect4Game> February 2019

* Developed a two-player Connect4 game using Python.

**Technical Skills**

* Software: Proficient in C++; familiarity with Python, HTML, CSS, C#, SQL
* Android Development: Android Studios
* Machine Learning:Jupyter Notebook
* Tools and Systems: Emacs, Linux, Unix, Windows, Visual Studios**;** Project Management: GitHub, Jira, Confluence, CoCalc

**Additional Skills**

* Debate, public speaking, fluent Hindi, conversational Spanish, Ballet and Tap Dancer (10 years) from Dance Dynamics Studio

**Leadership Experience**

* Leader, Hunter Women in Computer Science Club - host and manage computer-science related events for this club March 2018 – Present
* Mentor, Scholar Bridges Program - mentor freshmen students and host time management workshops at Hunter College May 2018 - Present
* Member, Association for Computing Machinery August 2018 - Present
* Representative, Bill & Melinda Gates 2018 Hunter College Event March 2018
* Member, All About Apps Club – learned Android App development and Android Studios February 2017 – December 2018
* Selected Member, Global Classrooms International Middle School Model UN Conference