**Muskan Kapoor**

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<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:

|  |  |
| --- | --- |
| Computer Science | Math |
| Computer Architecture 2, Analysis & Design 3, Data Structures & Algorithms, Computer Architecture 1, Software Analysis & Design 1, Introduction to Python & C++ | 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. Selected as one of the participants for high achieving talent in tech and being mentored and trained by Facebook's software engineers. GitHub link: <https://github.com/muskankapoor/FacebookABCS>

**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>

**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 am 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**

**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 and host time management workshops for junior students 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 2017
* Selected Member, Proskauer Adopt-A-High-School Program September 2016 – June 2017
* Selected Member, Global Classrooms International Middle School Model UN Conference