**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** BA expected May 2021

Major: Computer Science GPA:3.5

Honors: Hunter College’s Daedalus (Computer Science) Honors Program, Janovic Scholar, Dean’s List – Fall 2017

Relevant Coursework:

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| --- | --- |
| Computer Science | Math |
| Computer Architecture1 & 2, Analysis & Design 3, Data Structures & Algorithms, Software Analysis & Design 1, Introduction to Python & C++ | Applied Statistics, Calculus with Analytic Geometry 1 & 2, Discrete Structures, |

**Technical Skills:**

* Software: Proficient in C++; familiarity with Python, HTML, CSS, C#, SQL, Microsoft software
* 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

**Relevant Experience and Projects**

**Hunter College Software Development Project Program, Software Development** June 2019 - Present

* Work with a team to develop a real estate price prediction website
* Use knowledge of machine learning and data science to create a prediction model and a user-friendly interface to allow users to input wanted features and the model outputs 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 - Present

* Implemented Minimax algorithm for the 2048 game with an understanding of 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 a ‘Flashcard App’ and designed an Android app called ‘*Planner App’* that organizes the lives of students and 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 concepts including networks, servers, 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
* Condensed 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

**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

**Research Experience**

* Research Technical Intern at Weill Cornell Medical Institute June 2015 – August 2015
* Researched about “*p53 and Tau Interaction in Non-Neuronal Cells.”* Presented research in Research Technical Conference at Hunter College June 2015 – August 2015
* Selected as one of the interns from a year-long research training program*, Research Technical Faculty,* for high achieving talent