Muskan Kapoor

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 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 – November 2019
- Applied computer science knowledge through real-world applications in Facebook through interview topics and showcased 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 Py

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