Mohammed **Iqbal**

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Education

New York University Tandon School of Engineering   *Aug. 2017 - May 2021*

BACHELOR OF SCIENCE : COMPUTER SCIENCE, 2021   *GPA: 3.4*

- Minor in Economics and Game Engineering
- Dean's List Fall 2018 - Spring 2019
- **Relevant Coursework:** Software Engineering, Artificial Intelligence, Operating Systems, Introduction to Databases, Java and Web Design, Design and Analysis of Algorithms, Implementing and Design of Programming Languages, Computer Architecture, Discrete Mathematics, Data Structures and Algorithms, Data Analysis, Object Oriented Programming, Introduction to Engineering and Design, International Economics, Money and Banking

Stuyvesant High School   *Sept. 2013 - June 2017*

STUYVESANT DIPLOMA   *96.83*

- **Relevant Coursework:** Computer Science A, Web Design, Microeconomics, Macroeconomics

Work Experience

Khan's Tutorial   *Jackson Heights, New York*

SHSAT DEPARTMENT MANAGER   *Aug. 2016 - Current*

- Developed and maintained a database consisting over 300 students, tracking student's general information, progress, and potential trends
- Devised an intensive year long educational program with researched lesson plans derived from the New York City Department of Education Specialized programs consisting of 25 Math lessons and 15 ELA lessons with over thousands of questions.
- Aided low-income minority students in increasing their exam scores on average by 27.3% and provided access to resources previously unavailable via demonstrations
- Managed a department containing a staff of 12 instructors inputting their time-cards via Automatic Data Processing(ADP), attendance, and performance evaluations.
- Developed a communication network with 1200 parents/guardians sending regular text-messages, emails, and fliers with department/company updates whilst being apart of demonstrations and advocacy efforts for an equal opportunity High school admission system
- Cooperated and aided multiple documentaries and newspaper articles from established media networks such as BBC, PBS and The New York Times

Projects

Algorithm Visualizer   *New York, New York*

DECEMBER 2019 - CURRENT

- Developing a web-application that displays multiple computer science algorithms and its visualization to help understand how various algorithms works and the patterns they follow.
- Displays sorting an array of values and finding the shortest path in a grid. Built in JavaScript using the Node.js framework

FinstaGram   *New York, New York*

OCTOBER 2019 - JANUARY 2020

- Developed a web-application that allows users to follow other users and post and share photos with their followers. Users are also allowed to specify which set of users to share photos with by creating "FriendGroups". Users are able to view photos for which they are shared to.
- Built in Python using the Flask framework and uses an SQL database to store and retrieve information.

Autonomous Mars Rover Robot   *New York, New York*

SEPTEMBER 2017 - DECEMBER 2017

- Collaborated with a team of three, designing an autonomous robot that traversed a course mimicking the landscape of mars to collect soil and water samples
- Awarded the Nick Russo Award for Outstanding General Engineering Design at NYU Tandon

Skills

Programming Languages: C++, Python, Java, HTML/CSS, Haskell, Verilog, LaTex, JavaScript, C

Programs: Emacs, GitHub, Flask, Adobe Photoshop Lightroom, Lab-VIEW, Auto-CAD, Vivado, Quickbooks, Visual Studio, Microsoft Office

Personal Traits: Task Management, Excellent Communication Skills, Quick Learner, Advanced Problem-Solving Skills