TAJWAR RAHMAN

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EDUCATION

The Bronx High School of Science | June, 2021
GPA: 3.91/4.00

EXPERIENCE

Slingshot Mentoring - Software Developer Intern | June 2020 - Present
- Developed a **cross-platform app using React-Native** to collect user's responses to a myriad of questions and stored it in a **Firebase database**.
- Used **text classifying algorithms** on models that distinguish users based on 3 of their **unique stylometric features** to **prevent unauthorized people from accessing** a user's device.

NVIDIA - Deep Learning Institute Programs | December 2019 - March 2020
- Implemented common deep learning workflows such as **Image Classification and Object Detection**
- Developed **image classification models** and trained it on a variety of images

INDIVIDUAL PROJECTS

ATM Machine	Java & SQL	Flappy Bird AI	NEAT-python & Pygame
Mimicked an ATM interface using Java which allowed the user to create accounts, withdraw, and deposit money. **Stored data in a SQL database** and accessed it using a JDBC connecter.	**Simulated Flappy Bird environment** using pygame. **Trained 48 generations** using NEAT-python with highest score being over 250.
Mini Google Assistant	Python	**AI Reads Handwritten Digits**	Python, TF, & Keras
Developed a **voice assistant** using pyttsx3 library and Google API that lists unread emails from Gmail, creates events on Google Calendar, and check trending videos on Youtube.	**Analyzed MNIST dataset** using pandas and matplotlib Utilized TensorFlow and Keras libraries to train a model that can **classify handwritten digits with an accuracy of 93%**

EXTRACURRICULAR & VOLUNTEERING ACTIVITIES

Columbia University (Columbia Splash) - Student | October 2018, May 2019
- Took **college level crash-course style classes** taught by undergraduates, graduate students, and community members from Columbia.
- Attended the Intro to Mechanical Engineering, Theoretical Science, Applied Mathematics, and Space Exploration classes.

BxSci Summer Institute - Intro to Interactive Python | June 2019 - August 2019
- Learned about statements, expressions, variables, functions, logic conditionals, data structures, scope, and Python GUI.
- **Designed 4 interactive games**: rock-paper-scissor, guess the number, stopwatch game, pong game.

Machine Learning and AI Club - Vice President | September 2019 - Present
- **Brought awareness to a field** in our school that would be crucial to future computer scientists.
- Taught members about core topics in Machine Learning: **regression, clustering, classification, etc**.

Code 4 Tomorrow - Teacher | September 2020 - Present
- Mentored students (grades K-12) in the **fundamentals of Java**

Animal Squad Club - Member | September 2019 - Present
- **Learned about the different kinds of animals** Bronx Science raises: hamsters, parakeets numerous fish and reptiles, etc.
- **Nurture and clean up after the animals** three times a week minimum.