

# Mohammed Niyas

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[LinkedIn](#)  
[Github](#)

## AWARDS & HONORS

- Sondheim Public Affairs Scholar
- Dr. Herman Branson Scholarship | The Silver Spring MD Chapter of The Links · 2019
- Maryland Tech Council STEM Scholarship · 2019

## WORK EXPERIENCE

**Innovation Center for Biomedical Informatics**, Georgetown, DC — *Research Intern (Interrupted by COVID-19)*

January 2020 - April 2020

- Worked under the guidance of Dr. Subha Madhavan and Anas Beloulali, using machine learning to predict Opioid Use Disorder in hand surgery patients
- Completed Google's Machine Learning Crash Course
- Used *Pandas*, *Matplotlib* and *Seaborn* to aid in the process of developing risk prediction models, applying a number of classification algorithms

**Baltimore City Public Schools**, Baltimore, MD — *Academic Mentor*

July 2020 - August 2020

- Developed curriculum involving new engagement strategies for students in the shift to virtual learning.
- Conducted lesson plans aiding students in the transition to high school during a worldwide global pandemic
- Established client relationships with stakeholders to lift summer attendance by 50%
- Analyzed student data/metrics to tailor curriculum and gain an insight into the Virtual Learning Industry

## PROJECTS

- [Not Your Average Halal Food](#) - Developed a map interface and dataset with Node and Mapbox. Serves ~7,000 users per month.
- [TheYear2100](#) - WebApp built with Flask. Predictive Modeling System that visualizes plant life after the effects of climate change

## EDUCATION

**University of Maryland; Baltimore County**, Baltimore, MD — *Computer Science (B.S) & Global Studies (B.A)*

Expected Graduation: May 2023

GPA: 3.6 / 4.00

Relevant Coursework :

Data Structures - A

Discrete Structures - A

## TECHNICAL SKILLS

**Languages:** C,C++, Python, Javascript, Node, React, Angular, HTML/CSS

**Frameworks/Libraries:**

Bootstrap, Flask, Express, Socket.io, MongoDB, Mongoose, TensorFlow, Keras, Numpy, Three.js

**Platforms:** Web,

Cross-Platform Web Apps, Raspberry Pi, Google Cloud Platform, Google App Suite, Chrome Extension

**Tools:** Git, Unix, MATLAB, Autodesk Inventor, Adobe Creative Cloud, Figma

## EXTRACURRICULARS

hackUMBC, *Tech Team*  
(August 2020 - Present)