

Muhammed Ahmed

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Education

University of Georgia, Athens, GA
Bachelor of Science in Computer Science
Concentration: Applied Data Science

December 2018

- **Institution GPA:** 3.66
- **Relevant Coursework:** Data Science I; Data Science II; Intro Statistics; Systems Programming; Database Management; Software Development; Scientific Computing; Data Structures;
- **Honors:** Dean's List (2 semesters), HOPE Scholarship Recipient

Kennesaw State University, Kennesaw, GA

Fall 2013 - Spring 2016

Core Curriculum

- **Relevant Coursework:** Linear Algebra; Programming Principles; Operating Systems; Database Systems; Computer Architecture; Calculus II
- **Honors:** President's List (2 semesters), Dean's List

Technical Experience

Research Experience:

- **Quinn Research Group**, University of Georgia, Athens, GA **Fall 2017**
 - Predictive modeling using time series data on cryptocurrency prices.
 - Data collection, preprocessing, and applying machine learning algorithms.

Projects:

- **Fantasy League Scraper** **Summer 2017**
 - Scripted an advanced web scraper in python for pro-football-reference.com and nfl.com.
 - Retrieves and processes all player game log, combine, and injury data for every player.
 - Data used in a machine learning pipeline for predicting fantasy football picks. Our resulting RMSE beat the predictions of fantasypros.com.
- **Bitcoin Volatility** **Spring 2017**
 - Interpolate bitcoin price and volatility using a combination of economic variables and feature engineering.
 - Achieved a 5-fold cross validation score of 0.95 using KNN regression.
- **Graphical GPA** **Spring 2015**
 - iOS Application programmed in Swift 1/2 and Objective-C that uses a UITableViewController to display user's computed semester and overall GPA.
 - Then Implements iOS Charts (Github) to display this data in a scatter plot.
- **Simple B.O.B.** **Spring 2015**
 - iOS Application programmed in Swift 2 that tracks Kennesaw State's Big Owl Bus locations and returns arrival times based on user's current location.

Skills

- **Languages:** Python; C++; C; UNIX Shell; MATLAB; Java; Objective-C; Swift; SQL
- **Technologies:** Scikit Learn; Pandas; Numpy; Visual Studio; Microsoft SQL Server; Eclipse; XCode

Leadership Experience

- **Social Chair**, University of Georgia Rugby Club, Athens, GA **Spring 2017 - Present**
 - Coordinate and oversee all social gatherings for the team.
 - Instrumental in team motivation, organization, and success.