# MONEKA BOMMASANI

✉ Willing to Relocate(Current: NJ)          💻 https://moneka.github.io/          ✉ mbommas@g.clemson.edu

## EDUCATION

**Clemson University, Clemson, SC**                                                                          May 2017
Master of Science in Computer and Information Sciences                                       GPA: 3.32/4.00
**Gandhi Institute of Technology and Management, India**                                      August 2015
Bachelor of Technology in Computer Science and Engineering                               GPA: 8.76/10

## WORK EXPERIENCE

**Data Science Intern**                                                                                    Jan 2017 – May 2017
DataHub [Chicago, IL]
- Developed predictive models and generated reports for an insurance company; using **SPSS** and IBM **Watson Analytics**

**Software development Intern**                                                                      May 2014 – July 2014
Scitus Labs and Technologies [AP, India]
- Worked in a team of four to build an android application which keeps track of a student's academic activities; using ADT plugin, **Eclipse** and **MySQL**

## CERTIFICATIONS

**Microsoft** Data Science Certification                                                                       In Progress

**Datameer** Analyst Basics Certification Level 1                                                            Apr 2017

**SAS** Certified Base Programmer for SAS 9                                                                   Jan 2017

## TECHNICAL SKILLS

| Languages | | | | | Tools | | | | |
|---|---|---|---|---|---|---|---|---|---|
| C | C++ | CSS | HTML | Java | ArcGIS | Datameer | Excel | JMP | MySQL |
| PHP | Python | R | SAS | SQL | OpenRefine | Power BI | RStudio | SASStudio | Tableau |

## PROJECTS

**Relevant Courses:** **Statistical Methods**, **Data Science**, **Public Data Analysis**, Computational Theory, **Database Management System**, **SAS Lab**, Software Engineering, Human Computer Interaction, Security in Emerging Systems, Software Architecture

**Data Science and Visualization**
- Assessed and visualized the number of health centers in India per unit population per unit area; state and district wise, combining three datasets; using **JMP** and **SAS**                    Jan 2017 – Apr 2017
- Performed exploratory data analysis and built regression models to fit a Bike Share system data; analyzing and visualizing the relationship between the rental pattern with different factors like weather conditions, time of the day, etc. over two years; using **RStudio**                    Oct 2016 – Nov 2016
- Generated dynamic bubble charts, histograms, tree charts, dygraphs, intensity world maps, etc. to visualize the terrorist attacks over 45 years; using **Python**, **Shiny** and **RStudio**                    Jul 2016 – Nov 2016

**Web Development and Data Base**
- Developed a database driven school website which has a user account management module (Registration with auto generated secure password, Sign-in to respective profiles and Profile Update settings), a data management module (Insert, Update, Delete and Select operations performed by users on their respective course list) and a database administrator module (where the admin has access to the underlying database); using **PHP**, **HTML**, **CSS**, **Bootstrap** and **MySQL**                    July 2016 – Nov 2016

**Ontology**
- Engineered a family ontology that precisely searches for the specific relationships that have been queried for, resulting in appropriate outcomes; using **Protégé** and Fluent Editor                    Jan 2015 – May 2015

**Human Computer Interaction**
- Designed prototypes for a fitness application using fundamental design principles, by surveying 10 people and redesigned FitNotes application to improve signifiers and visibility                    Jan 2016 – Apr 2016