MONEKA BOMMASANI

Willing to Relocate   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