

# MONEKA BOMMASANI

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## EDUCATION

**Clemson University, Clemson, SC**

Master of Science in Computer and Information Sciences

May 2017

GPA: 3.32/4.00

**Gandhi Institute of Technology and Management, India**

Bachelor of Technology in Computer Science and Engineering

August 2015

GPA: 8.76/10

## WORK EXPERIENCE

**Data Science Intern**

DataHub [Chicago, IL]

Jan 2017 – May 2017

- Worked with an insurance company to analyze patient's data; using **SPSS**

**Software development Intern**

Scitus Labs and Technologies [AP, India]

May 2014 – July 2014

- 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

C	C++	CSS	HTML	Java
PHP	Python	R	SAS	SQL

### Tools

ArcGIS	Datameer	Excel	JMP	MySQL
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**
- Performed exploratory data analysis and built linear regression models to fit a Bike Share system data; analyzing the relationship between the rental pattern with different factors like weather conditions, time of the day, etc. over two years; using **RStudio**
- 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**

Jan 2017 – Apr 2017

Oct 2016 – Nov 2016

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