

# Keerthana Potnuru

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## EDUCATION

<b>Masters in Computer Science</b> , Bradley University, Illinois, USA	<b>GPA 3.66/4</b>	May 2017
<b>Bachelors in Information Technology</b> , GITAM University, India	<b>GPA 7.94/10</b>	Apr 2015

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## SKILLS

<b>Language</b>	Core Java, C, C++, .Net, R Programing, HTML, XML
<b>Database/Database Tools</b>	Mongo DB, Oracle 11g, MySQL, SQL Server 2008, SQL Server 2014
<b>Scripting Tools</b>	VB script, SQL
<b>Essentials</b>	Apache Hadoop, Flume, Hive, Spark, Scala, JavaScript, JQuery, Qualtrics, Xilinx
<b>Business Modelling Tools</b>	Microsoft Excel, MS Word, MS Visio, MS Project, Gretl, Tableau

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## EXPERIENCE

**Data Analyst** Bradley University Graduate School May 2016 - Dec 2016

- Qualitative analysis using Qualtrics and created life cycle of graduate student success
- Tackled mass data using Excel Formula, Excel Pivot tables and Smart charts
- Handled confidential student data under FERPA to create patterns and models
- Helped visualize the acquired data with Excel, Tableau
- Maintained the Graduate School Facebook page, website, and other social media

**SQL Intern** Solvent Software Solutions Ltd, India April 2014 - June 2014

- Client Server Based LIVE Meeting built on a .NET environment with SQL Server'08
- Achieved automatic recording of the user's login/logout time
  - Enabled online/offline messages including message view and employee hierarchy
  - Maintained the database by developing the structure
  - Created tables with referential integrity constraints and inserting, updating and deleting records

**Web Designer – Research Assistant** GITAM University, India Aug 2013 - Mar 2015

- Designed and developed the website for science and activity centre of the university (GUSAC) ref: <http://gusac.org/>
- Partook in maintaining the university website ref: <http://gitam.edu/> - Improved the site visits by marketing it on social media

**Database Admin** GITAM University, India Aug 2011 - April 2014

- Monitored the day-to-day operations of the hardware and software, and general trouble shooting,
- Assisted with computing resources on Windows, MAC and Linux platforms,
- Rendered in designing, creating and updating the various schemas, views and tables - Maintained the university database to keep student and faculty records intact

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## ACADEMIC PROJECTS

### Sentiment Analysis

-Performed Sentiment Analysis on streaming twitter data on the ever-trending “Syrian Civil War” with MapReduce using MongoDB, Apache Hadoop, Flume, Hive external tables and data visualization tools such as Tableau and Data Wrapper  
[https://prezi.com/jaflypgwdzk8/sentiment-analysis/?utm\\_campaign=share&utm\\_medium=copy](https://prezi.com/jaflypgwdzk8/sentiment-analysis/?utm_campaign=share&utm_medium=copy)

### Regression Modelling

-Understanding the regression models using Gretl and the use of Linear and Logistic Regressions to model junks of data by backward elimination and forward- selection methods

### System Requirements Specification

-Worked on building a System Requirements Specification for a customer’s business needs and developer’s profile emphasizing on Requirements Engineering and Development of an online career builder

### Exploratory Web Search

- Extended research on Exploratory web search and modern approaches to optimize search operations
- Presented a paper on Information retrieval and the complexity of information need

### JAVA Programming

- Designed and developed an innovative social networking website called BUFusion for Bradley University to demonstrate Software Engineering frameworks using Object Oriented Programming in Java & Software Engineering Fundamentals Specialization
- A website using JAVA for a book database with JSP, JSF GUI using Object Oriented Java Programming: Data Structures and Beyond Specialization

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## INDEPENDENT PROJECTS

### Data Science

- Finding anomalies & dependencies on a bank dataset
- Visualization of Data by ad-hoc, chi-squared testing
- Geo-demographic segmentation model
- Usage of BI tools and SQL, ETL implementation

### R Programming

- Implementaion of functions and control structures
- Inclusion of R Studio, loop functions and debugging
- Subsetting, reading data and performing analysis on the same

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## ACCOMPLISHMENTS

- Won the Graduate Student Leadership 2017 award for leadership and services rendered to Bradley University
- President of Bradley International Students Association (BISA) of Bradley University
- Board member of the Graduate School Advisory Committee(GSAC) of Bradley University
- Secretary of the Indian Student Association (ISA) of Bradley University
- Chief organizer for International event TEDxGITAMUniversity, 2015 and “IEEE- TICES 2014”
- Core member of ROTARACT Club of GITAM University
- Secretary for Young Guns of India (Non-Government Organization)