# KRISHNA CHAITANYA SANAGAVARAPU

https://krishna-chaitanya-sanagavarapu.github.io/

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## SUMMARY

- 3 years of IT experience in analysis, design, development, documentation, implementing and testing of software systems in Java, J2EE, Python and Web technologies.

- Expertise in J2EE technologies including Collections,JSP, Servlets, Hibernate, Struts, JDBC, EJB, JMS, Web Services, Ajax.

- Good Knowledge of UI technologies including HTML5, Angular JS 2.0, JavaScript, JQuery, JSF, Bootstrap.

- Have experience in Design, Development and Deployment of Java/J2EE web components on servers like Apache Tomcat, WebSphere, WebLogic, SOAP, RESTFUL, XML, XSL, XSLT, WSDL and UDDI.

- Experience in developing Web Applications based on MVC architecture using Python, Django, Flask.

- Extensive knowledge on Machine Learning and Natural Language Processing.

- Excellent team player with good analytical, strategic planning and interpersonal and communication skills. Highly motivated, enthusiastic and self-starter.

## EDUCATION

**Masters in Computer Science Engineering**                               December 2015 - May 2017
University of North Texas, GPA: 3.77/4.00

**Bachelor of Technology in Computer Science Engineering**                 August 2009 - May 2013
Auroras Engineering College, GPA: 3.66/4.00

## TECHNICAL SKILLS

| | |
|---|---|
| **Programming Languages** | Java, Python, R, C, C++, SQL, UNIX commands |
| **J2EE Technologies** | JDBC, Servlets, JSP, JSTL, JNDI, JMS |
| **Frameworks** | Spring, Hibernate, JPA, Struts, Django, Flask |
| **Web Services** | SOAP, WSDL, REST |
| **Front End Development** | HTML, CSS, JavaScript, Type Script, AJAX, JSON, JQuery, Bootstrap, Angular, Angular 2, Angular UI, Underscore, NodeJS. |
| **Database** | Oracle, MySQL, DB2, MongoDB |
| **Machine Learning Libraries** | Scikit-Learn, TensorFlow |
| **Python Packages** | Pandas, BeautifulSoup,Numpy, Matplotlib, SciPy |
| **IDEs** | Eclipse, NetBeans, PyCharm, Sublime, Apatana studio 3 |
| **Version Control Tool (SCM)** | GIT, SVN. |

## PROJECTS

**Determine People's Participation in the Events They Tweet About**       March 2016 - April 2017
*Masters Thesis*

· Designed a Machine Learning framework to determine whether people participate in the events they tweet about using **Support Vector Machines** from **Scikit-Learn** library in **Python**.

· Targeted all events expressed by verbs in tweets, including past, present and events that may occur in the future.

· Text preprocessing is performed using **Shell Script** commands for text manipulation.

· **Microsoft Power BI** is used for the data analysis.

· **Git** is used for version controlling system and **Latex** is used for the documentation purpose.

**Sentiment Analysis on Twitter Data set**                    September 2016 - November 2016

· Developed Machine Learning models using **Python** to automatically classify a tweet as positive or negative.
· Trained several classifiers using a twitter data set and compare their performance.
· Used **Naive Bayes classifier, Decision Trees and Support Vector Machines** from **Scikit-Learn** library.

## WORK EXPERIENCE AND PROJECT DETAILS

**Web developer**                                             February 2016 - December 2016
*University of North Texas, Denton*

· Developed a responsive mobile friendly student assistant portal using **Bootstrap CSS**.
· It allows a student to login, post questions for the public and answer questions in a feed.
· Validations and Dynamic content developed using **Javascript**. Developed using **HTML, PHP, My SQL and Ubuntu**.

**Software Engineer**                                         September 2014 - December 2015
*Tech Mahindra Pvt Ltd, Hyderabad*

· Developed and executed **JUnit** test cases using **Eclipse IDE**
· Designed and developed the web application using **JAVA, Spring MVC, HTML5, CSS3, JavaScript and Oracle**.
· Performed Back end Testing-using **SQL** queries, generating reports to ensure data integrity and validate the inserted and updated data.

**Associate Software Engineer**                              December 2013 - September 2014
*Tech Mahindra Pvt Ltd, Chennai*

· Developing Web Applications with **W3C, XHTML, HTML5, CSS3** standards and **Python (Django)** for data visualization dashboard.
· Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface
· Worked on XML documents based on XML Schema Definition **(XSD)** with python scripts to load the data into the database.
· Managed, developed, and designed a dashboard control panel for customers and Administrators using **Django, HTML, CSS, JavaScript and JQuery**.

**Intern**                                                   January 2012 - April 2012
*Enlume Inc, Hyderabad*

· Developed a web based Blood donors inventory, aiming to provide a quick search of blood in case of emergency.
· Users can log a request to receive and donate blood developed using **EJB's** and **JSP's**.
· Implemented database using **JDBC** and **SQL** to maintains donor, hospital and blood bank records based on location.

## PUBLICATION

Krishna C Sanagavarapu, Alakananda Vempala and Eduardo Blanco. 2017. Determining When and Whether People Participate In The Events They Tweet About. *In Proceedings of the 55th Annual Meeting of the Association for Computational Linguistics (**ACL**), Short papers.* Vancouver, Canada. Accepted, To Appear.

## ACHIEVEMENTS

Recipient of "Ace associate" award for the work excellence at Tech Mahindra Pvt Ltd.

Participated in IBM TGMC 2012, Qualified for Face to Face evaluation round of IBM TGMC.

Co-founder of a NGO named BE A DIFFERENCE. Organized many blood donation camps and other social awareness programs.