

KRISHNA CHAITANYA SANAGAVARAPU

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

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OBJECTIVE

Seeking a challenging position in software development to apply my knowledge of Web Development, Machine Learning technologies and Natural Language Processing at a dynamic software company.

EDUCATION

Masters in Computer Science Engineering December 2015 - May 2017
University of North Texas, GPA: 3.66/4.00(Current)

Bachelor of Technology in Computer Science Engineering August 2009 - May 2013
Aurora Engineering College, Bhongir.
Jawaharlal Nehru Technological University, 3.55/4.0

TECHNICAL SKILLS

Python, Java, C, C++, HTML, PHP, J2EE, Struts, JDBC, SQL, JavaScript, CSS, Git, Windows, Linux Ubuntu, Pycharm, Netbeans, Eclipse, Oracle 10g.

AREA OF INTEREST

Machine Learning
Natural Language Processing
Web Development

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.

PROJECTS

Determine People's Participation in the Events They Tweet About September 2016 - April 2017

- (*Masters Thesis*) Designed a Machine Learning framework to determine whether people participate in the events they tweet about. Targeted all events expressed by verbs in tweets, including past, present and events that may occur in the future. Used Support Vector Machines from Scikit-Learn library in Python.

Sentiment Analysis on Twitter Data set October 2016 - November 2016

- Developed Machine Learning models 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 in Python.

Ride Sharing May 2016 - July 2016

- Implemented a ride sharing algorithm Which calculates the optimal path for two passengers using Dijkstra's algorithm and Geo-Spatial data. Optimal criteria contains distance and common sub-paths between users. Designed a Database using JDBC and Postgre SQL.

Tipster - Online student assistant March 2016 - May 2016

- Developed a mobile friendly student assistant portal. It allows a student to login, post questions for the public and answer questions in a feed. Validations and Dynamics content developed using Javascript. Developed in HTML and PHP.

Data Recording and Retrieval System

November 2012 - April 2013

- Implemented a stand-alone application which records the high speed data coming from network and generates reports from the data and displays in the GUI. Developed in C#.

Blood Donor Database

January 2012 - April 2012

- 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.

Crypto Utility Tool

July 2011 - December 2011

- Developed a stand-alone file security tool which performs key based encryptions in parallel for the data given directly or through documents. This tool can all decrypt data when provided the proper key. Developed UI using Java Swings and Abstract Window Toolkit (AWT).

WORK EXPERIENCE AND PROJECT DETAILS

Software Engineer

September 2014 - December 2015

Tech Mahindra Pvt Ltd, Hyderabad

- Worked for Switzerland based leading Telecom client Swisscom
- Developed an end user interface application using **Java- J2EE** which is currently in production
- Created test cases and guided a testing team to ensure successful deployment

Associate Software Engineer

April 2014 - September 2014

Tech Mahindra Pvt Ltd, Chennai

- Worked for Australian based leading mining client company BHP Billiton
- Worked collaboratively to develop a **J2EE** end user application and handling real time errors

Trainee

December 2013 - April 2014

Tech Mahindra Pvt Ltd, Bahadurpally

- Trained in **J2EE, Advanced Java and Web Technologies**
- Worked on Individual projects and group projects using **Java, Struts and Hibernate**
- Received distinction in many evaluation processes conducted by evaluators

EXTRA-CIRRICULAR ACTIVITIES

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

Participated in Google Power Search

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

Organized events in National level technical symposium KSHETRA2K12 at Auroras Engineering College.

Actively participated for the College robotics events like DROIDZ-2k11

Presented a technical paper on GRAPHENE at VASAVI ENGINEERING COLLEGE.

Volunteered in many college annual day functions, events like SANGAMA - 2k11, INSYNC (department day celebration).