

# Venkatesh Edupuganti

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|---------------------|---|-------------------------------|--|
| INTERESTS           | Machine Learning, Information Retrieval, Text Mining, Programming and Software Development.   |                               |  |
| EDUCATION           | <b>Masters in Computer Science</b>  | August 2015 - December 2017   |  |
|                     | Wright State University, Fairborn, Ohio   | GPA: 3.67                     |  |
|                     | <b>Bachelor's in Information Technology</b>   | October 2010 - April 2014     |  |
|                     | Andhra University, Andhra Pradesh, India  | GPA: 3.7                      |  |
| MASTER THESIS       | <b>Contextualized Harassment Detection using Conversations on Twitter</b> <ul style="list-style-type: none"><li>Facing harassment while communicating with people can have serious impacts on a person's life and personality such as low self-esteem and developing depressive symptoms. Social media has brought people closer than ever before. This comfort in cnversing with one another by the use of social media brings with it a risk of cyber harassment. In this study, we propose to identify harassment on Twitter by utilizing the conversations between the users. In this work, we used the conversation features in addition to the textual features from a tweet and twitter user features.</li></ul> |                               |  |
| ACADEMIC PROJECTS   | <b>Gender Recognition by Voice using Machine Learning Techniques</b>  |                               |  |
|                     | Wright State University, Fairborn, Ohio   | November 2016 - December 2016 |  |
|                     | <ul style="list-style-type: none"><li>The source of training data set is kaggle, which contains 3128 data points and 21 features. After experimenting with various combinations of features with various algorithms, the reduced feature set which gives the best result is found. By using reduced feature set, we are able to identify the gender with the less complex algorithm and more accurately.</li></ul>  |                               |  |
|                     | <b>Information retrieval system using Lucene</b>  |                               |  |
|                     | Wright State University, Fairborn, Ohio   | February 2016                 |  |
| RESEARCH EXPERIENCE | <ul style="list-style-type: none"><li>Developed an search engine using Java and Lucene for the carnfield and medline datasets. Lucene APIs are used to create a index files for the datasets. Evaluating the performance of the search engines by using the benchmark results for those datasets.</li></ul>   |                               |  |
|                     | <b>Developed Interpreter code using LISP</b>  |                               |  |
|                     | Wright State University, Fairborn, Ohio   | November 2015                 |  |
|                     | <ul style="list-style-type: none"><li>Developed an Interpreter code for the given grammar using List In Scheme Programming (LISP).</li></ul>  |                               |  |
|                     | <b>Project: Context-Aware Harassment Detection on Social Media.</b>   |                               |  |
|                     | <ul style="list-style-type: none"><li>The aim of this project is to develop comprehensive and reliable context-aware techniques (using machine learning, text mining, natural language processing, and social network analysis) to glean information about the people involved and</li></ul>  |                               |  |

their interconnected network of relationships, and to determine and evaluate potential harassment and harassers.

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| <b>INTERNSHIP</b>         | <i>ServiceNow Developer Intern</i><br><b>Vsoft Consulting</b><br>Louisville, Kentucky, USA<br><b>Project: ITSM for V-soft Consulting.</b> <ul style="list-style-type: none"><li>Developed a service desk and service catalog applications for V-Soft consulting using ServiceNow tool. This application automates all the operations of service desk and service catalog tasks in V-soft consulting group.</li></ul>  | June 2016 - August 2016   |
| <b>TEACHING ASSISTANT</b> | <i>Teaching Assistant</i><br><b>Wright State University</b> <ul style="list-style-type: none"><li>Worked as a Graduate Teaching Assistant for a subject Advanced Programming Languages.</li></ul>   | September 2017 - December 2017  |
| <b>TECHNOLOGY SKILLS</b>  | <b>Programming Languages:</b> Java, LISP, C, C++.<br><b>Scripting Languages:</b> Python, JavaScript, HTML.<br><b>Databases:</b> Oracle SQL, MySQL, MangoDB.<br><b>Deep/Machine Learning Tools:</b> Weka, Scikit-Learn, TensorFlow (beginner)<br><b>Information Retrieval:</b> Lucene.<br><b>Natural Language Processing:</b> Stanford CoreNLP.<br><b>Cloud Computing:</b> Hadoop/MapReduce (Basic).<br><b>Tools:</b> ServiceNow.<br><b>IDE and Other Software:</b> Eclipse, Netbeans, PyCharm, Dr.Racket, MATLAB. |   |
| <b>GRAD LEVEL COURSES</b> | Machine Learning<br>Information Retrieval<br>Advanced Database Systems  | Algorithm Design and Analysis<br>Advanced Programming Languages   |
| <b>CERTIFICATIONS</b>     | <ul style="list-style-type: none"><li>Graduate-Level Certificate in Big and Smart Data at Wright State University.</li><li>Certificate recognized by the ServiceNow as a ServiceNow Certified Admin.</li></ul>  |   |
| <b>REFERENCES</b>         | <b>Dr.Krishnaprasad Thirunarayan</b><br>Professor<br>Wright State University<br>Dayton, OH, 45435<br><a href="http://knoesis.wright.edu/tkprasad/">http://knoesis.wright.edu/tkprasad/</a>  | <b>Dr.Amit Sheth</b><br>Director, Kno.e.sis center<br>Wright State University<br>Dayton, OH, 45435<br><a href="http://knoesis.org/amit/">http://knoesis.org/amit/</a> |