Venkatesh Edupuganti

2382 Fieldstone circle Fairborn, Ohio 45324

(937) 986-9256 **.** venkatesh.edupuganti@gmail.com **.** https://venkateshedupuganti.github.io

INTERESTS

Machine Learning, Information Retrieval, Text Mining, Programming and Software Development.

EDUCATION

Masters in Computer Science	August 2015 - December 2017
Wright State University, Fairborn, Ohio	GPA: 3.67
Bachelor's in Information Technology	October 2010 - April 2014
Andhra University, Andhra Pradesh, India	GPA: 3.7

MASTER THESIS

Contextualized Harassment Detection using Conversations on Twitter

- 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.

ACADEMIC PROJECTS

Gender Recognition by Voice using Machine Learning Techniques

Wright State University, Fairborn, Ohio   November 2016 - December 2016

- 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.

Information retrieval system using Lucene

Wright State University, Fairborn, Ohio   February 2016

- 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.

Developed Interpreter code using LISP

Wright State University, Fairborn, Ohio   November 2015

- Developed an Interpreter code for the given grammar using List In Scheme Programming (LISP).

RESEARCH EXPERIENCE

Graduate Research Assistant   January 2016 - Present

Kno.e.sis – Ohio Center of Excellence in Knowledge Enabled Computing

Wright State University, Dayton, Ohio, USA

Project: Context-Aware Harassment Detection on Social Media.

- 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

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

INTERNSHIP	*ServiceNow Developer Intern*	June 2016 - August 2016

Vsoft Consulting
Louisville, Kentucky, USA
Project: ITSM for V-soft Consulting.
- 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.

TEACHING ASSISTANT	*Teaching Assistant*	September 2017 - December 2017

Wright State University
- Worked as a Graduate Teaching Assistant for a subject Advanced Programming Languages.

TECHNOLOGY SKILLS

Programming Languages: Java, LISP, C, C++.
Scripting Languages: Python, JavaScript, HTML.
Databases: Oracle SQL, MySQL, MangoDB.
Deep/Machine Learning Tools: Weka, Scikit-Learn, TensorFlow (beginner)
Information Retrieval: Lucene.
Natural Language Processing: Stanford CoreNLP.
Cloud Computing: Hadoop/MapReduce (Basic).
Tools: ServiceNow.
IDE and Other Software: Eclipse, Netbeans, PyCharm, Dr.Racket, MATLAB.

GRAD LEVEL COURSES

Machine Learning	Algorithm Design and Analysis
Information Retrieval	Advanced Programming Languages
Advanced Database Systems	

CERTIFICATIONS
- Graduate-Level Certificate in Big and Smart Data at Wright State University.
- Certificate recognized by the ServiceNow as a ServiceNow Certified Admin.

REFERENCES

Dr.Krishnaprasad Thirunarayan	**Dr.Amit Sheth**
Professor	Director, Kno.e.sis center
Wright State University	Wright State University
Dayton, OH, 45435	Dayton, OH, 45435
http://knoesis.wright.edu/tkprasad/	http://knoesis.org/amit/