

Adarsh Alex

1538 Highland Ct. Fairborn Ohio, 45324

adarsh@knoesis.org • +1 (937) 716-9252 • LinkedIn • Webpage

OBJECTIVE	Seeking to leverage my experience and skills in Software Engineering and Machine Learning to develop big data analytics and scalable applications.	
EDUCATION	Wright State University , Dayton, Ohio, USA	
	Master of Science (M.S.) in Computer Science	Aug 2013 – Apr 2016
	<ul style="list-style-type: none">▪ Research areas: Exploiting knowledge encoded in Knowledge Graphs to enhance Text Mining, Natural Language Processing and Applied Machine Learning▪ Thesis: Detecting and Classifying Implicit Entity Mentions in Tweets▪ Advisor: Dr. Amit P. Sheth	
	Mumbai University , Mumbai, Maharashtra, India	
	Bachelor of Engineering (B.E.) in Computer Engineering	Aug 2009 – May 2013
SKILLS	<ul style="list-style-type: none">▪ Programming Languages: Java, Python.▪ Databases: MySQL, MongoDB, Neo4j.▪ Big Data Technologies: Apache Hadoop(Mapreduce), Apache Storm.▪ Semantic Technologies: RDF, SPARQL, OWL.▪ Web Technologies: HTML, CSS.▪ Tools and Software: NLTK, Stanford CoreNLP, Gensim, OpenNLP, Weka, word2vec, git, svn.▪ Operating Systems: Linux, Windows, Mac.	
EXPERIENCE	Kno.e.sis Center , Wright State University	
	Graduate Research Assistant, Computer Science Department	Aug 2014 – Current
	<ul style="list-style-type: none">▪ Implicit Entity Recognition: Developed a framework for identifying tweets with Implicit Entity Mentions in unstructured text(Tweets and EMR documents) using Java and Weka. Designed and developed a system to link Implicit Entity Mentions to Wikipedia articles using factual knowledge extracted from Dbpedia and contextual knowledge extracted from Tweets.▪ Active Tweet Filtering: Implemented an analysis pipeline engine for streaming data (Tweets) using Twitter Streaming API, Apache Storm and Mongo DB. Also developed a framework for real time noise filtering and feedback learning using Weka.▪ eDrugTrends: eDrugTrends is an inter-disciplinary project developed to monitor cannabis and synthetic cannabinoid use.	
	My Work: Developed and extended an ontology to capture all the relationships between cannabinoids and synthetic cannabinoids using Protege.	
	ezDI, LLC , Ahmedabad, Gujarat, India	
	Research Intern	Apr 2014 – Aug 2014
	<ul style="list-style-type: none">▪ Worked on developing an approach for automatic knowledge acquisition from Electronic Medical Record's to enhance knowledge graph by leveraging domain knowledge and applying semantic techniques.	

PUBLICATIONS

- Adarsh Alex, Sujan Perera, Amit Sheth “**Detecting and Classifying Implicit Entity Mentions in Tweets**” *Technical Report* [Work in Progress].
- Sujan Perera, Pablo N. Mendes, Amit P. Sheth, Krishnaprasad Thirunarayan, Adarsh Alex, Christopher Heid, Greg Mott “**Implicit Entity Recognition in Clinical Documents**,” *In proceedings of The Fourth Joint Conference on Lexical and Computational Semantics (*SEM)*, Jun 2015.
- Sujan Perera, Pablo N. Mendes, Adarsh Alex, Amit P. Sheth, Krishnaprasad Thirunarayan “**Implicit Entity Linking in Tweets**,” *In Extended Semantic Web Conference (ESWC)*, May 2016.