

Sandesh Swamy

sandeshs.github.io | www.linkedin.com/in/sandeshs29 | +1 614 815 2292 | swamy.14@osu.edu

EDUCATION

The Ohio State University

Master of Science in Computer Science

Aug 2015 – May 2017 (Expected)

GPA: 3.7/4

Relevant Courses: Speech and Natural Language Processing, Introduction to Data Mining, Advanced studies in Artificial Intelligence, Algorithms, Operating Systems, Computational Linguistics

R.V. College of Engineering

Bachelor of Engineering in Computer Science

Sep 2009 – Jul 2013

GPA: 9.37/10

Relevant Courses: Data Structures and Algorithms, Software Engineering, Operating Systems, Advanced Algorithms, Cryptography and Network Security, Computer Networks, Computer Organization, Database Management Systems

EXPERIENCE

Graduate Research Assistant, The Ohio State University

May 2016 – Present

- Working under the guidance of Prof. Alan Ritter and Prof. Marie-Catherine de Marneffe.
- Current research involves veridicality assessment for events on Twitter data. (Python, Amazon Mechanical Turk)
- Investigated events which might have a lot of speculation and created a unique dataset with selected events.

Graduate Teaching Assistant, The Ohio State University

Jan 2016 – May 2016

- For the course CSE 1222 – Introduction to Programming in C++.

Software Engineer, Cisco Systems, India

Aug 2013 – Jul 2015

- Implemented the command line parsing for initial Connected Lighting module.
- Worked on USB console, TDR, LED and Silent Roll modules as a part of the Green Apple compact switch India core team.

Intern, Indian Institute of Science, India

Jul 2011 – Sep 2011

- Worked towards synchronizing Microsoft's own TTS engine with that of IISc to create a screen reader experience for Indic languages.
- Collaborated with Harfbuzz (shaping engine) to understand how shaping of fonts work on mobile devices to ensure that Indic languages was presented in the right form.

TECHNICAL SKILLS

Programming Languages: Java, Python, C (proficient) C++ (moderate)

Databases: MySQL, SQL Server

Technologies: HTML, Javascript, Bootstrap UI, Git, Python numpy, scipy, Amazon Mechanical Turk, Octave, R, Android Programming, GitHub, Atlassian – BitBucket

SELECT PROJECTS

Public perception to currently running movies (Python, TextBlob, TMDb API, Twitter APIs)

Feb 2016 – Apr 2016

- Used TMDb API to get a list of currently running movies in US theatres and narrow down the number of movies based on their popularity index.
- Using TextBlob library APIs and Naïve Bayes classification, the polarity and sentiment of tweets (gathered using Tweepy library) were obtained and consolidated results presented to the user.

Feature Based Classifier for classifying poetry and prose (Python, CRFSuite, BeautifulSoup)

Feb 2016 – Apr 2016

- Implemented the baseline classifier for differentiating prose from different forms of poetry like Haikus, Limericks, Sonnets and Ballads using CMU pronunciation dictionary and a set of manually created features.
- Used off the shelf CRF implementation called CRFSuite to achieve an F1 score of 85%.

Classification and clustering of large datasets (Python, matplotlib, R, Weka)

Sep 2015 – Dec 2015

- Worked with classification and clustering algorithms like kNN and k-means achieving an accuracy of 72%.

ADDITIONAL EXPERIENCE

Hackathons: ECSG Hackathon at Cisco (Winner), 1NS Hackathon at Cisco (Crowd favorite hack), Windows 8 Hackathon by Microsoft (Top 25 apps at the event), InMobi Hack (Participant), Yahoo Open Hack (2011, 2012 participant), OHI/O (2016 Participant)

Designed an auto-committer at Cisco Systems to ease the process of double commits.