DUSHYANTA DHYANI

dushyantadhyani.github.io +1 614 815 7722 dhyani.2@osu.edu
539 Stinchcomb Drive #1, Columbus, OH, 43202

AREAS OF INTEREST

• Machine Learning • NLP • Computer Vision • Algorithms

EDUCATION

M.S. CSE : *The Ohio State University, Columbus, Ohio* Aug 2016 - May 2018(Expected)
Courses : Advanced Algorithms, Computational Linguistics, Natural Language Question Answering, Social Media & Text Analytics.

B.Tech IT : *National Institute of Technology, Kurukshetra, India.* **GPA** :8.9 July 2010 - June 2014

EXPERIENCE

Research Associate *Precog Research Group, IIIT-Delhi, India* July - April,2016
Worked on building a tool for predictive policing as part of a government-funded project. The work involved the application of data mining techniques to build an interface for effective monitoring and visualization of crime patterns. **Tools Used:** Python, Flask, d3.js

Research Assistant, *Ubiquitous Knowledge Processing Lab, TU Darmstadt, Germany* Jan - June, 2015
Adviser : Prof. Iryna Gurevych, *Project* : Automatic Timeline Generation of News Events, *Project Report-URL*

Worked on extracting events and their participants from News Articles. Used a Conditional Random Field Classifier along with several NLP based features (syntactic, symantic, word embeddings, etc.) to achieve the following F-1 scores :
Events • ECB+ Corpus - 73.02 % • TimeBank Corpus - 80.78% . ***Participants*** • ECB+ Corpus - 56.51%

Software Engineer, *Search Team*, Infoedge India Pvt. Ltd. June-Dec, 2014

- Successfully ported the Solr-based backend framework of 99acres.com to Solr Cloud.
- Created Scalable Logging Services to Log Search and Click Data of 99acres.com .
- Created services to automate the procedure of Data management and Monitoring.

Software Engineering Intern, *Samsung Research*, New Delhi, India June-July, 2013
Freelance Software Engineer, FunnelMailApp 2014
Founder,Developer, GoIndiaVote.com 2014
JavaScript Instructor, *Graphics & Web Designing Committee*, NIT Kurukshetra 2014

TECHNICAL SKILLS

- C, C++ & STL, Java, Python, Matlab, Octave, Php, JavaScript
- Hadoop, Solr, Scikit-Learn, NLTK, DKPro, OpenCV , Lasagne(Deep Learning library)

PROJECTS

Civic Improvement Request Classification Challenge May,2016
As part of the **Living Progress - CrowdAnalytics - Haven OnDemand Prototype** challenge on *Topcoder*, I used the HP Haven on Demand API to create a hierarchical classifier for the task of classifying user requests for civic improvements into predefined categories. The model was ranked *2nd*.

DeepAge 2016
Currently Working on a web application that uses Deep Convolutional Networks to determine human age given (still) facial images. *Tools Used:* python, lasagne, flask, OpenCV

Open Source Contribution 2015
Integrated the **Geodesic Object Proposals** tool into the **Object Proposals** library.

HoG Feature based Face Detection with Sliding Window 2015

- Implemented the Histogram of Oriented Gradients (HoG) features based sliding window detector approach by *Dalal & Triggs* for face detection.
- Trained an SVM Classifier using the positive database from the Caltech 10,000 Web Faces Project. Hard negative mining was used on a subset of the SUN Database.

ACHIEVEMENTS AND POSITIONS OF RESPONSIBILITY

Qualified for ACM-ICPC Asia Finals at Amritapuri, India (2013).

Member, English Literary & Debating Club, *NIT Kurukshetra*