

**SHIULI DAS**

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## **EDUCATION**

*The Ohio State University, Columbus*

M.S. Computer Science and Engineering

Graduation: May 2017 (expected)

GPA: 3.87 (4.0 scale)

*Birla Institute of Technology and Sciences, Pilani*

B.E. Electronics and Instrumentation Engineering

Graduation: June 2015

GPA: 8.08 (10.0 scale)

## **SOFTWARE SKILLS**

C, C++, Python, Java, SQL, HTML, Qt, MATLAB, Tableau, Elastic Search

## **WORK EXPERIENCE**

**Amazon**, Customer Service Technology, Seattle,

SDE Intern: June 2016 – August 2016

- Delivered the business partners with a visual tool which will be used to analyze the activity of customer service agents per contact (what they search for and what they click on), Java
- Used AWS products DynamoDB, Lambda and Kinesis to pipe the data from logs to Heartbeat which is another team which has built a visualization tool on top of Elastic Search and Kibana

**Computational Biology and Cognitive Sciences Lab**, Ohio State University, Columbus

Student Programming Assistant: January 2016 – May 2016

- Writing code to interface with projects (C++, MATLAB, Python)

**Center for Artificial Intelligence and Robotics**, DRDO, Bangalore

Project Intern: January 2015 – June 2015

- Developed a consolidated utility to track multiple objects in multiple networked cameras in real-time
- Used image processing techniques; developed using C++, openCV and Qt
- Features included: handshaking between multiple camera views for consistent object labeling, auto-initialization of the TLD (tracking-learning-detection) tracker using GMM based motion

## **PROJECTS**

**Recipe Visualizer**, April 2016

- Parsed and visualized a cooking recipe in a radial tree graph form, Python, D3

**Part-Of-Speech tagger**, March 2016

- Implemented structured perceptron and Viterbi algorithm for part-of-speech tagging, Python
- Accuracy 89% when trained on twitter + penn tree bank + IRC chat data and tested on twitter data

**Evolution of Music over the years using Word-Clouds**, February 2016

- Extracted the lyrics of top 100 chart songs over years (1961-2015) and using word-cloud showed the trend of most common words used in music lyrics over the years, Python, D3

**Classification of IMDb movie reviews**, January 2016

- Implemented and analyzed the performance of classification algorithms such as Naïve Bayes (82% Acc.) and Perceptron ( 87% Acc.), for the purpose of text classification of IMDb reviews as positive and negative, Python

**Interpreter for Modified LISP**, August 2015 – December 2015

- Developed an interpreter to do parsing, check for syntactic and type errors and evaluation of S-expressions, C++