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EDUCATION

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| Los Angeles, CA | University of Southern California | August 2016 – May 2018 |
| <ul style="list-style-type: none">• M.S. in Computer Science, GPA: 3.82• <i>Coursework:</i> Algorithms; Artificial Intelligence; Web Technologies; Information Retrieval; Natural Language Processing | | |
| Hyderabad, India | Osmania University | August 2012 – May 2016 |
| <ul style="list-style-type: none">• B.E. in Computer Science, Dean's List, GPA: 3.9• <i>Coursework:</i> Software Engineering; Databases; Operating Systems; Data Structures; OOPS Concepts; Data Mining | | |

TECHNICAL SKILLS

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| • Programming: | C, C++, Python, Java, C#, VB.Net |
| • Web Technologies: | HTML, JavaScript, CSS, XML, PHP, Ajax, JQuery, Bootstrap, JSON |
| • Data/Databases: | SQL, PL/SQL, MongoDB, Hadoop |
| • IDE's, Libraries and Tools: | Visual Studio, Eclipse, AWS, Google Cloud, Keras, TensorFlow, OpenCV, NLTK |

WORK EXPERIENCE

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| Software Developer Intern | Dromebox Labs | Summer 2017 |
| <ul style="list-style-type: none">• Worked with the AR team to build a real-time data acquisition module and a data pipeline to synchronize the packets.• Designed and developed a framework for transferring compressed data acquired from 5 sensors over TCP to a server which visualizes the data points in Unity.• Reduced time by 40% to acquire data in parallel from different sensors in real-time using multi-threading. | | |
| Research Assistant | Integrated Media Systems Center, USC | Spring 2017 |
| <ul style="list-style-type: none">• Worked in a team of 3 to redesign the existing retrieval algorithm of the "MediaQ" web application framework.• Improved accuracy of the Scene Location Determination module by developing a view triangulation algorithm. | | |
| Advisory Analyst Intern | Deloitte India, Offices of U.S | Spring 2016 |
| <ul style="list-style-type: none">• Worked in AERS division with the Risk Analytics team and performed data analytic operations on data belonging to clients of Life Sciences and Health Care industry.• Performed data wrangling and checked for validity and completeness of Journal Entry Transactions using ACL Analytics. | | |

PROJECTS

- **Feature Extraction for Author Attribution and Classification** (2017): Extracted features that improved the accuracy of the Naïve Bayes Classifier to perform author attribution, based on the works of Bronte and Shakespeare. **Python, NLTK**
- **Constituency Parser** (2017): Trained the ATIS portion of Penn Treebank to build a probabilistic parser using Viterbi CKY algorithm. Improved F1-Score by making modifications like parent annotations, and order-2 markovization. **Python, NLTK**
- **Inverted Index Using a Hadoop Cluster** (2017): Implemented Map-Reduce algorithm to construct an Inverted index for a corpus of 3000 English books using Hadoop cluster. **Java, Hadoop, Google Cloud**
- **Convolved Neural Network for Optical Character Recognition** (2017): Designing a CNN with a center loss function to improve the accuracy of OCR process. **Python, Keras, TensorFlow**
- **Image Retrieval for Localization using Bag of Words model** (2016): Led a team of 3 to develop an application to determine longitude, latitude of the place where a given query image was captured. Reduced execution time by up to 80% by implementing BOW model instead of brute force comparison of dataset images. **C++, OpenCV, Visual Studio 2010**
- **File Sharing Website with End-User Hash Verification** (2016): Developed a website that enables two end users to share pictures privately and access them as required using a hash value generated based on the pair's email ids with backend storage using MongoDB. **HTML, JavaScript, PHP, MongoDB**
- **Intelligent Agent (A.I)** (2016): Developed a game playing agent using A*, DFS, mini-max algorithms with alpha-beta pruning. Also, developed an inference agent to verify the validity of rules using resolution. **Python**
- **System Control using Speech** (2015): Led a team of three to develop a program to control various applications and system settings through different speech commands. **C#, Visual Studio, Microsoft Speech**

AWARDS

- **Performance Award, Deloitte (2016):** Awarded for providing excellent client service excellence.
- **Third Prize, IIT-BHU (2016):** Awarded All India 3rd prize for Python Programming Contest out of over 300 teams.