

## EDUCATION

**University of Southern California**, Los Angeles, CA

May 2019

*Master of Science in Computer Science*

3.4/4.0

**Courses:** Analysis of Algorithms, Foundations of Artificial Intelligence, Database Systems, Applied Natural Language Processing, Information Retrieval and Web Search Engines, Foundations and Applications of Data Mining (Ongoing)**Visvesvaraya Technological University**, Bangalore, India

June 2015

*Bachelor of Engineering in Computer Science*

4.0/4.0

- A Gold medalist of the university for having secured highest aggregate marks and bagged six medals

## TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++
- **Web Technologies:** HTML, CSS, JavaScript
- **Tools:** Visual Studio, Eclipse, IntelliJ, GIT, Docker
- **UI Tools:** EB Guide, Qt, CGI Scene Composer, visualState
- **Operating Systems:** Windows, Linux, iOS
- **Database:** MySQL, PostgreSQL, Spark

## WORK EXPERIENCE

**Graduate Technical Intern, Intel Corporation, Folsom**

June 2018 - August 2018

- Developed plugins in Python to enable automation of Graphic Driver Test Automation Software
- Improved execution planning cycles for team and enhanced efficiency in testing by 20%
- Added features for debug data collection and improved data analysis of test results by 5-10%
- Performed code testing and delivered results biweekly

**Graduate Student Research Assistant, USC Information Sciences Institute, Marina Del Rey**

October 2017 - June 2018

Evidence Extraction project (under Prof. Gully Burns) is focused on using information extraction techniques for figures and text to pinpoint and extract evidence from scientific papers.

- Focused on developing a Domain-specific Insight Graph version of underlying data
- Built a text annotation graph for project data and upgraded applications utilizing Docker

**Associate Software Engineer, Robert Bosch Engineering and Business Solutions Limited**

August 2015 - June 2017

- Managed all phases of Graphical User Interface(GUI) design for Navigation Component of car infotainment cluster
- Developed UX using EB Guide and CGI as primary tools for infotainment systems
- Coded interaction of UX and middleware using C++ as primary language with MVC architecture
- Enhanced Navigation Middleware for Profile Manager feature to provide APIs beyond operating system
- Performed unit testing on all functionalities to maintain less than 10% defects after integration to ensure software quality

## PROJECTS

**SIREA911** (<https://devpost.com/software/syria911>)

Python | Microsoft LUIS | Microsoft Cognitive RESTful APIs

- Built an application to provide immediate first aid information through traditional channels of SMS, MMS and Calls
- Developed Language Understanding (LUIS) platform of input to identify user intention and provide a great conversation interface

**Hotel Reviews Classifier**

Python

- Developed Vanilla Perceptron and Average Perceptron to classify hotel reviews as True/Fake and Positive/Negative
- Achieved a test-set F1 score of 0.90 for averaged perceptron

**Part of Speech Tagger**

Python

- Programmed language independent Hidden Markov Model for predicting part of speech tag for each word in a sentence
- Obtained a test-set F1 score of 0.91 on provided data set

**Lizard Nursery (Modified N-Queens Problem)**

Python

- Coded three different algorithms to solve N-Queens problem with obstacles
- Implemented Depth First Search, Breadth First Search and Simulated Annealing algorithms to solve problem

**Indexing Web using Solr and Building a Web Search Engine**

Java | Solr | Apache Tikka | PHP

- Designed a web application to display results of user query by calculating page rank for NBC News
- Added features of Auto-suggestion and Auto-Correction for incorrectly typed queries

**Fruit Rage Game**

Python

- Built an AI agent to predict next optimal move in a 2-player game using alpha-beta pruning and iterative deepening algorithm

## PUBLICATIONS

- **Building a simple test bed for WSN** in International Journal of Latest Trends in Engineering and Technology, Volume 5 Issue 4 July 2015
- **Big Data in Cloud and Cloud Services**, 3rd National Conference on Recent Advances in Technology and Engineering, Bangalore

## AWARDS AND RECOGNITION

- Recognized at Intel for 'Result Orientation - Flawless Execution' during summer internship 2018
- Won "Best Performer" award at Robert Bosch for annual year 2016 in a team of 60