

## SKILLS

**Programming Languages:** Java, Python, JavaScript, C/C++

**Web:** NodeJS, Spring, Hibernate, Python Flask, React-Native, HTML, Bootstrap, CSS, Android, Git

**Scientific Computing:** Pandas, Numpy, Scikit-Learn, Statsmodels, D3.js, Matplotlib, Keras, Tensorflow

**Databases:** MySQL, SQLite, MongoDB

**Courses:** Advanced Data Structures, Analysis of Algorithms, Pattern Recognition, Deep Learning for NLP, Data Science, Math for Intelligent Systems

## EDUCATION

### University of Florida

M.S Computer Science - April 2017

GPA: 3.6/4

### Visvesvaraya Technological University

B.E Computer Science -May 2012

GPA: 75/100

## EMPLOYMENT

### Gobble Inc · *Software Engineering Intern*

Palo Alto, CA · Jan 2017 to Apr 2017

Business Forecasting Model

- Improved time to generate user order projections and distributions by 80% through implementing prediction algorithm using Machine Learning, Python, Pandas, NumPy, and scikit-learn.
- Developed 6+ Regression and Statistics Machine Learning models for KPI projections using Python, Scipy, and Matplotlib, forecasting business trends, and growth, increasing operations accuracy by more than 50%.
- Engineered AWS Lambda functions to automate critical business transactions for use across multiple teams, ensuring business data was available in real-time while saving the company over \$15,000 in operations costs.
- Constructed web-based platform to visualize 75% of critical company KPIs using Python, Flask, and D3.js.
- Technology Stack: AWS, Python, Flask, MySQL, Numpy, Scipy, Matplotlib, D3.js, Pandas, Scikit-Learn.

### University of Florida · *Graduate Web Developer*

Gainesville, FL · Jun 2016 to Dec 2016

counterfeit-ic.org

- Redesigned and Developed the counterfeit chip management and reporting tool using NodeJS, MySQL, and Bootstrap. Increased the modularity. Improved page load time and search speed by 60%.
- Collected various analytics and developed data visualization. Increased the web app usage by 200%.
- Technology Stack: NodeJS, MySQL, D3.js, Bootstrap.

### HCL Technologies Ltd · *Software Engineer*

Bangalore, India · Aug 2013 to Jul 2015

Cisco Prime Infrastructure

- Developed the application modules for implementing business logic using Java, Spring, and Hibernate ORM.
- Developed RESTful APIs. Implemented various feature enhancements for the application.
- Experience in Test Driven, Object Oriented Development, and Design Patterns. Developed JUnit tests with improved application performance.
- Developed a device health reporting and remediation tool for resolving device failure requests with improved failure detection by 50%
- Technology Stack: Java, Spring, MySQL, JavaScript.

## PROJECTS

### NIST IAD Datascience Traffic Prediction Project

Hypothesized models with aim of detecting and correcting errors, inconsistencies across datasets. Developed models to predict and make decisions about upcoming future events in the traffic datasets. Python, Scikit-Learn, Pandas, Numpy

### Page Rank (Map Reduce)

Implemented PageRank to find the most important Wikipedia pages on the adjacency graph extracted from Wikipedia dataset using AWS Elastic MapReduce(EMR). Java, HDFS, Map Reduce, AWS

### KYC - KNOW YOUR CITY (SwampHacks 2017)

Developed crowdsourced application to help on board people new to a city. Implemented a recommendation system that matches users with services and information based on their similarities and expectations. React, Node.js, MongoDB

### NASA Web Server Log Analysis - (BerkeleyX: CS105x - Distributed Machine Learning with Apache Spark)

Sep 2016

Completed a course on Apache Source by the University of Berkely on EDX. Developed a distributed ML model for analyzing NASA web server logs.

### Real Time Face Detection and Recognition

Developed a real time face recognition from live webcam stream using fisherfaces, eigenfaces, and cascade classifier. Python, Keras

### Movie Recommender Desktop App (GAHack 2016)

Developed a movie recommender desktop application with features to catalog, organize and discover movies using Electron Framework. NodeJS, Electron, Bootstrap  
Developed the recommendation algorithm to provide personalized movie recommendations to users. Python, Scikit-Learn

## LEADERSHIP SKILLS

### UF Data Science and Informatics - [www.dsiufl.org](http://www.dsiufl.org) · Treasurer and Core Committee Member.

Jan 2016 to Apr 2017

Regularly teach hour long workshops on essential Data Science and Machine Learning tools including Python, Machine Learning.