ORACLE Certified Associate Java SE 7 Programmer

# Shreyas Bidwai

**Chicago, IL, 60616**
**+1 (312) 785 7807** **sbidwai@hawk.iit.edu**
Linkedin.com/in/sbidwai https://github.com/Sbidwai

## EDUCATION

- **Illinois Institute of Technology, Chicago, IL** **(May 2019)**
  (Master of Science in Computer Science) **Current GPA:** 3.22
- **Rajiv Gandhi Technical University, Bhopal, India**
  (Bachelor of Engineering in Information Technology) **GPA:** 3.75 **(May 2017)**

## EXPERIENCE

- **Software engineering intern** **(June 2018 – August 2018)**
  **(Tata consultancy services, Auburn Hills)**
  - Developed Microsoft azure solutions for Customer Care data to host on the cloud.
  - Design and Implementation of data mart.
  - Developed solutions to improve performance and end-user experience.
  - Developed solutions using Big Data tools for loading data on to the Data Lake environment.
- **Graduate Engineer Trainee** **(June 2016)**
  **(Appin Technology Lab., Bhopal, India)**
  - Learned developing solutions to analyze Big Data through Hadoop and related frameworks like Pig, Hive, HBase.

## TECHNICAL EXPERTISE

- **Programming languages:** C, C++, Java(Spring-Boot), Python 3, R
- **Web Technologies:** HTML5, CSS, AngularJS
- **Applications:** Hadoop, Microsoft Office, Git, Android Studio
- **Database Applications:** MySQL, PostgreSQL, MongoDB, Elasticsearch
- **Operating Systems:** Linux, Unix, Windows
- **Coursework:** Data Mining, Software Engineering, Parallel and Distributed Processing, Online Social Network Analysis, Natural Language Processing, Software Project Management, Data Intensive Computing, Computer Networks, Mobile App. Development, Theory of Computation, Machine Learning with Python.

## PROJECTS

- **MPI (Message Passing Interface) programming in C language**
  - The project entails the implementation of two-dimensional convolutions on parallel computers using different parallelization techniques and models for parallelization.
- **Benchmarking the State-of-the-Art Open Source Information retrieval libraries**
  - Implemented **Lucene**, **Lucene++** and **Terrier 5.0** in both laptop and remote instance at chameleoncloud.org and amazon AWS EMR(Elastic MapReduce) instance. Also, benchmarked **Elasticsearch** in comparison to Terrier 3.0 for files stored on multiple nodes.
- **Demographic Influence of an Individual Based on Tweets**
  Technologies used: **Python, Machine Learning algorithms**
  - Developed methods to classify the sentiments of people based on the content of their tweets and distributed the analysis based on the locations. Data was collected using Twitter API.
- **Android Apps (Mobile Application Development)**
  **Know your Government App**
  Technologies used: **Java, Android Studio**
  - This application helped users to lookup who represents various elected levels of government. Used the Google Civic Information API that helps to look for representatives based on the location.
  - Also, designed and developed apps like **Stocks watch, Multi-notes, News-gateway** during my coursework.
- **Hadoop Installer Application**
  - Developed a desktop-based application to install Hadoop on any Linux OS using **Java** as a Programming Language.
- **Virtual Mouse**
  Technologies used: **Java, Swing, OpenCV**
  - Developed a virtual human computer interaction device i.e. a mouse using webcam and computer vision techniques.