

# Barath Naravula Loganathan

barath.n.loganathan@gmail.com | 512-203-1577 | San Jose, CA

barathnl.me | github.com/barathnl | www.linkedin.com/in/barath-naravula-loganathan

## PROFESSIONAL SUMMARY

- **4 years** experience as a **Software Engineer** developing web application, mobile application, building reporting frameworks and working with database system.
- Work experience in **Java** programming languages and **SQL query**.
- Proficient in **HTML 5, CSS 3, Bootstrap, JavaScript, jQuery, Angularjs** – Web technologies.
- Experience working on **Android** mobile application.
- Strong knowledge of **Algorithms, Data Structures, Design Pattern**, Dynamic programming, Database and Networks.
- Hands on experience on Big Data tools like **TensorFlow, Apache Hadoop** and **SparkSQL**.
- Visit my work experience and recommendation section in my LinkedIn profile.

## WORK EXPERIENCE

### Software Developer

December 2016 – May 2018

#### University of Missouri - Information Access

- Designed and developed multi-view dashboard for UMKC's Canvas request system where one view allows Admin user to view various type of request ticket and its status. Other View allows user to create request ticket for copying course content to student account, combine multiple course and sandbox folder request.
- Design and developed Bulk enrollment system for admission department in the university to enroll a batch of new students every semester.
- Designed and developed various University of Missouri – Kansas City android application and application such as UMKC study poll app, Attendance app.
- Created and deployed reports for various application in SQL Server Reporting Service (SSRS) using SQL Server Data Tools.

**Technologies:** Java, SQL, AWS, HTML5, CSS3, jQuery, Bootstrap 4, Android, MongoDB, Git, JIRA

### Software Engineer

June 2014 – July 2016

#### Bank of New York Mellon

##### Project: Broker Dealer Clearance System

- Designed reporting application module for financial clients along with development of 150+ **JasperReport** Design template file. Integrated those design templates with development of efficient multi-threaded job scheduling reporting framework module for the project using **Java, Spring, Quartz scheduler**. Reports extracts financial data from production database by writing custom SQL queries in design phase of report template.
- Performed root cause analysis and problem management for existing reporting framework module to fix and eliminate technical bugs.
- Participated in **Agile** project management for code development, release management and code deployment.

**Technologies:** Java (JDK 8), Spring, SQL, AWS, JasperReport, Git, JIRA

**Recognitions:** Developed reporting module which was awarded "**Best of Class**" project in Bank of New York Mellon. Awarded "**Star Performer and Developer**"

## SKILL SET

<b>Programming Languages:</b>	JAVA (expert), Android Programming (proficient), Python (prior experience)
<b>Web Technology:</b>	HTML 5 (expert), CSS 3, Bootstrap 4, JavaScript (proficient), AngularJS, jQuery
<b>Databases:</b>	Oracle SQL (expert), MS SQL Server, MySQL, MongoDB, Firebase
<b>Frameworks:</b>	Spring (prior experience), AWS, Ionic, JasperReport (expert), Hibernate, SSRS
<b>Tools:</b>	Git, JIRA, Android Studio, Beyond Compare, Firebug, Chrome Developer tool
<b>Big Data and ML Tools:</b>	TensorFlow, Apache Hadoop, HDFS, SparkSQL

## INTERNSHIP AND SUMMER TRAINING

### **Bank of New York Mellon**

**January 2014 – May 2014**

- Worked on a project titled “Asset Servicing System” which is an Asset Management application for Bank of New York Mellon. Created a Dynamic Dashboard for Custodian bank which populates various buckets like Available, Hold and Reserve finances by pulling real-time from production database

**Languages Used: HTML5 & CSS3, JavaScript, Advanced Java, SQL**

## PROJECTS

### **Project Name: iCheck Enterprise Monitoring Application**

- Developed an integrated enterprise monitoring application with interactive chart UI showing the various business data module related to technology, services, CPU performance, memory usage and resource allocation. Interactive chart UI is created with **Dojo Chart** and UI is created with **HTML 5, CSS 3 , Twitter bootstrap** working with **JAVA servlet** as middleware communicating with **Oracle Database** to pull metric data

### **Project Name: Parking Application – Android App - Hackathon**

- Created a Car Parking android application using **Ionic framework**. It uses interactive visual map of parking floor with clearly labelled parking slot number and parking type. App shows available parking slot, occupied parking slot, booked parking slot in different color. Also booking confirmation and cancellation are notified to user by Application and SMS. Parking receipt in QR code. All parking details are stored in **Mlab** via **AJAX call**

### **Project Name: Twitter tweet Analysis Application**

- Created an application that collects twitter tweets in JSON format and stores the twitter tweet data into a file system of **Apache Hadoop's HDFS**. Ran **Spark RDDs** queries and **Spark DataFrames** queries in **Apache Spark** to calculate top 5 trending hashtag, graphically representing origin location of that trending tweets in map, along with tweeted text language count and user with maximum retweet of the trending hashtag

### **Project Name: Virtual Assistant to teach Environmental science using Machine Learning**

- Created a virtual assistant to teach Environmental science. Assistant takes environmental science video and detects keyframes and annotate it using **OpenIMAJ: Intelligent Multimedia Analyser**. Later these annotated keyframe is run against our trained model which is generated from 20,000 image dataset using **Retrain Inception Final Layer** concept in **Tensorflow**

## AWARDS AND ACHIEVEMENTS

- Awarded **Dean International Scholar Award (DISA)** from University of Missouri – Kansas City for good academic record and disciplinary standing which is equivalent to \$4,000 per semester
- Received “**Drives and Delivers Excellence Award**” from iNautix Technologies India Pvt Ltd for work in Project “Broker Dealer Clearance System” for developing robust Financial Reporting framework and awarded “**Star Performer and Developer**” in December 2015
- **University Rank Holder** - Secured **33<sup>rd</sup>** rank among 8069 graduates from Anna University for the year 2010-2014
- Received **Merit Award** in I, III, IV year of my Bachelors degree
- Undergraduate Capstone project titled ‘iCheck Enterprise Monitoring Tool’ was awarded “**Best Project 2014**” by R.M.K College of Engineering and Technology

## EDUCATION

### **Masters in Computer science**

**August 2016 - May 2018**

University of Missouri – Kansas City

(Specialization in Data Science and Software Engineering)

**CGPA: 3.7/4**

**Courses:** Design and Analysis of Algorithm, Advanced Software Engineering, Parallel Algorithm, Principle of Big Data and Management, Statistical Learning, Python and Deep learning, Design Pattern

### **Bachelors in Computer science and Computer Engineering**

**August 2010 - May 2014**

Anna University, Chennai

**CGPA: 3.9/4**

**Courses:** Software Engineering, Object Oriented Programming(JAVA), Project Management, Database Management, Operating System