

# Barath Naravula Loganathan

barath.n.loganathan@gmail.com | 512-203-1577

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
- Worked at iNautix Technologies India Private Limited [**Bank of New York Mellon Company**] – Ranked No.16 Best IT company to work in India , TOI Survey
- Working as **Software developer** at University of Missouri – Kansas City developing web application
- Work experience in **Java** programming languages and **SQL query**
- Proficient in **HTML 5, CSS 3, Bootstrap, JavaScript, jQuery, Angularjs** – Web technologies
- Experience working on **Restful APIs** and **Android** mobile application
- Good knowledge of **Algorithms, Data Structures, DBMS, Networks** and Operating systems
- Experience using **Linux** operating system
- Strong knowlegde on **Machine Learning algorithm**
- Hands on experience on Big Data tools like **Apache Hadoop** and **SparkSQL**

## WORK EXPERIENCE

### Software Developer

December 2016 - Present

#### University of Missouri – Kansas City

- Designed and developed multi-view dashboard for Canvas request system using C# MVC model 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.
- 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:** HTML5, CSS3, jQuery, Bootstrap 4, Android, Git, JIRA

### Software Engineer

June 2014 – July 2016

#### Bank of New York Mellon

##### Project: Broker Dealer Clearance System

- Designed 150+ **JasperReport** Design template (. jrxml) file. Integrated those design templates with development of efficient multi-threaded job scheduling reporting framework module for the project using **Java, Spring, Quartz scheduler** which 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, 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

**Programming Languages:** JAVA, C++, Android Programming, Python

**Web Technology:** HTML 5, CSS 3, Bootstrap 4, JavaScript, AngularJS, jQuery

**Databases:** Oracle SQL (11g), MS SQL Server, MySQL, MongoDB(MLab), Firebase

**Frameworks:** Ionic, JasperReport, Spring, Hibernate, SSRS

**Tools:** Git, JIRA, Android Studio, Beyond Compare, Firebug, Chrome Developer tool

**Big Data Tools:** TensorFlow, Apache Hadoop, SparkSQL

## INTERNSHIP AND SUMMER TRAINING

**iNautix Technologies India Private Limited**

**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 Bachelor degree
- Undergraduate Capstone project titled ‘iCheck Enterprise Monitoring Tool’ was awarded “**Best Project 2014**” by R.M.K College of Engineering and Technology

## CERTIFICATION

**The Hong Kong University of Science and Technology:** HTML, CSS and JavaScript Certified through Coursera

**IBM DB2:** Certified IBM DB2 Academic Associate

## EDUCATION

**Master of Science in Computer Science**

**August 2016 - May 2018**

University of Missouri – Kansas City

**CGPA: 3.67/4**

(Specialization in Data Science and Software Engineering)

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

**Bachelor of Engineering in Computer Science and 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