SHREYAS KEERTHIRAJU

2901 South King Drive, Unit 1918, Chicago, IL, 60616 *https://in.linkedin.com/in/shreyas-k-a7b8077b*
Mobile: (312) 866-7013 ***Email:skeerthiraju@hawk.iit.edu***

SUMMARY
- ✓ Has 2.5 plus years of experience in Software development.
- ✓ Proficient in developing RESTful web services in Java and Node.js.

ACADEMICS
- ✓ Masters in Computer Science at Illinois Institute of Technology (Fall 2016). Current GPA **3.67/4**. **Expected: May 2018**
  Courses: Cloud Computing, Big Data Technologies, Enterprise Web Applications, Mobile Application Development, Object Oriented Design Patterns, Software Modeling and Development with UML, Computer Networks, Data Mining, Software Project Management
- ✓ B.E in Computer Science at Nitte Meenakshi Institute of Technology with CGPA of **8.52/10**. **2010-2014**

TECHNICAL SKILLS
Programming languages: Core Java (Proficient), J2EE (Proficient), Node.js (Proficient), Python (Working Knowledge), HTML (Working Knowledge), CSS (Working Knowledge), JavaScript, Servlets, JSP
Frameworks: Spring (Proficient), Hibernate (Proficient), JOOQ (Proficient)
Big Data Technologies: Hadoop, MapReduce, Pig, Hive, Spark
Data: MySQL (Proficient), MongoDB (Intermediate)

PROFESSIONAL EXPERIENCE
- ✓ **Enterprise Architecture Intern, Blue Cross Blue Shield Association** **June 2017 to August 2017**
  - Worked on characterizing, transforming, applying analytics and reporting National Health Data using Pig, Hive, Spark and Python within BCBSA security parameters.
  - Handled integration of publicly available data sources-governmental, commercial and academic.
  - Handled visualization using Tableau by understanding BCBSA standards, guidelines and healthcare data needs.
- ✓ **Software Engineer, LiftOff LLC** **April 2015 to May 2016**

Projects:
- **Thrively**
  - Thrively is a web application that helps kids discover and pursue their passions in life.
  - Developed RESTful APIs in JAVA using Spring framework and microservices to handle third party integrations.
  - Introduced Elastic Search to improve search performance and setup continuous integration on Jenkins and AWS.
  - Handled regular deployments.
- **Dials**
  - DIALS has transformed list view mobile calendar to an elegantly designed new clock-based view.
  - Handled Dials, Google, Microsoft Outlook and iCloud calendar APIs in Node.js adhering to CalDav RFC 4791 and iCalendar RFC5545 specifications.
  - Developed template to convert Outlook JSON events to CALDAV RFC events.

- ✓ **Software Engineer, Yokogawa IA Technologies India Private Limited** **July 2014 to April 2015**

Projects:
- **Vigilant Eye**
  - Developed path correction algorithm in JAVA to automate the drone to fly in a predefined path.
  - Developed APIs to control flight dynamics.
- **HMI Playback**
  - Developed RESTful APIs in Node.js to get information on past behavior of a plant and to pull data from Fast/Tools.
  - Handled data cleaning part of numerical readings from different devices.

- ✓ **Tech Intern, AppMomos** **March 2014 to June 2014**

Project:
- **Interview Automation**
  - It is a java based application to automate interview process. Handled text analytics using natural language processing.

ACADEMIC AND INDEPENDENT PROJECTS
- ✓ **An implementation of Lambda architecture** in Scala to process Big Data. Used Cassandra as serving layer, Kafka as streaming source and Spark to synchronize the data to HDFS and perform the stream and batch processing. **IIT 2017**
- ✓ **Health Stats:** Developed a dynamic web dashboard by analyzing 5 different health data sets and by using JavaScript and Chart.js. Developed clean object-oriented design and code by implementing design patterns. **IIT 2017**
- ✓ **FoodQuest** is a web application that help registered users to buy/sell home cooked food. Developed backend using Java and handled geolocation queries using MongoDB to find nearby distributors. Developed python script to find deal matches with GrubHub based on their Twitter tweets. Also used Javascript, AJAX and SAX parser to manage data efficiently. **IIT 2016**
- ✓ **Link State Routing algorithm** uses Dijkstra's algorithm to find shortest path between routers, generate connection table, determine broadcast router and handle modification of topology when routers are down. This application is developed using Java. **IIT 2016**
- ✓ **Prediction of Survival of Passengers on the Titanic.** This involved association rule mining, pruning redundant rules and visualizing association rules. This is developed in R language. **IIT 2016**
- ✓ **CredEx** is a platform for diagnosing cardiovascular diseases. Developed APIs in python.

EXTRACURRICULAR ACTIVITIES
- ✓ Presented HashMaps idea in Google startup weekend in 2014.
- ✓ Organized Computer Society of India Convention at Reva institute in 2014.