

TECHNICAL SKILLS

Languages	JAVA (Oracle Certified 2016), Python, R, C++, PHP, MySQL, PL/SQL, T-SQL JavaScript, Unix
Technologies	HTML, CSS, Spring boot, Hibernate, REST API, VueJS, ReactJS, AngularJS, NodeJS, Android, Mongo DB, Hadoop
Tools	Linux, Git, Maven, Amazon Web Services S3 and EC2 (AWS), Blockchain, Eclipse, R Studio, Android SDK

EDUCATION

MS in Computer Science , University at Buffalo, State University of New York – GPA: 3.6	Sept 2018 - Feb 2019
Coursework: <i>Distributed Systems, Data Intensive Computing, Computer Security, Algorithms and Analysis, Machine Learning</i>	
BE in Electronics and Communication , Nagpur University, India	Sept 2009 - Aug 2013

WORK EXPERIENCE

Research Assistant at DIDC Lab — University at Buffalo	Jan 2018 – present
<ul style="list-style-type: none">Working on NSF funded One Data Share project which is a cloud-hosted data transfer tool that manages and optimizes the movement of data across arbitrary endpoints in a protocol-agnostic manner.Currently working on Dropbox integration using Spring boot, REST and Mongo DB	
The Advisory Board Company , Chennai, India	Oct 2016 – Jun 2017
Software Engineer	
<ul style="list-style-type: none">Developed ETL products in Java, Groovy, Yaml and SQL to process and load patient's data into PostgreSQL database according to data mapping documents.Reduced manual efforts by around 30% by automating QA report generation for business team with JAVA, SQL and Maven.Incorporated Log4j for logging, Ant/Maven for project deployment and JUnit for unit and integration testing.	
Cognizant Technological Solutions , Chennai, India	Jan 2014 – Oct 2016
Software Engineer	
<ul style="list-style-type: none">Designed and developed core components of data management applications for Liberty Mutual Insurance (USA) in JAVA, MVC, JavaScript, Ajax, jQuery and MySQL for integrating and managing customers' data in MySQL databaseDeveloped web application with Single Sign On (SSO) feature using HTML5, Spring Boot, Hibernate and SQL for vendors' registration for issuing new insurance policy with Liberty Mutual.Developed REST APIs secured with OAuth2.0 to provide fraudulent transaction details to the security team.Consumed and developed REST web-services using JAX-RS (Jersey) for providing LM insurance data to Underwriting vendorsTook an initiative to successfully optimize monthly Geocode refresh process and migrate the huddle meeting task tracker to web-applicationImplemented complex PL/SQL queries for various CRUD operations including functions and procedures to integrate insurance applications with MySQL and DB2 databases using JDBC and Hibernate ORM.Enhanced "Employee Finance" portal using Spring Boot and Hibernate backed with MySQL database	

PROJECTS

IM App for Android with Amazon Dynamo-based Replicated Key-Value Storage (JAVA, Android) - GitHub	Apr 2018
<ul style="list-style-type: none">Designed and developed real-time messaging app with multi-cast capability along with failure detection and recovery, based on Amazon Dynamo for distributed key-value storage for replication.	
NY State Weather Application (Android, Cordova, Vue js, Bootstrap CSS, REST API) - GitHub	Mar 2018
<ul style="list-style-type: none">Designed and built mobile application using Wunderground, IP and Openweathermap APIs to provide users weather conditions for current location, zip code and filterable weather dataset.Built using Vue.js, Bootstrap and REST API, and integrated Cordova for iOS and Android compatibility.	
Diet friendly Shopping application — Winner at BrickHack4 (Android, Cordova, Node js, REST) - GitHub	Jan 2018
<ul style="list-style-type: none">Built an intelligent shopping application using Wegmans APIs and USDA database to assist users in shopping for weekly groceries according to one's diet plan. Used NodeJS to write server side scripting including REST services.	
Data analysis and Visualization using Hadoop Mapreduce (Python, R, D3 js, Hadoop, Mapreduce) - GitHub	Apr 2018
<ul style="list-style-type: none">Gathered NYTimes articles and tweets data from their APIs for analysis of data related to SpaceX launch. Applied MapReduce on cleaned corpus, removed stop words and built a web app to display results of words and their co-occurrences as Word Clouds using D3js	
Distributed Data Storage using Chord protocol (JAVA, Android, Socket programming, TCP/IP) - GitHub	Apr 2018
<ul style="list-style-type: none">Built a scalable and fault tolerant distributed data storage system to store the data equally across 5 data nodes (AVDs) following the Chord Ring protocol and managed by Distributed Hash Table. Integrated the features of decentralized query, insert and node joining.	
QA Report Automation (JAVA, SQL, Maven) - GitHub	Jun 2017
<ul style="list-style-type: none">Built an automation module that regularly fetches the refreshed data and populates it in QA spreadsheets and generates charts for Analytics team. Integrated the feature of automatic email update.	

ACHIEVEMENTS

- 1st prize** winner at **Blockchain** Buildathon at Buffalo, NY for building web application for supply chain traceability using Blockchain.
- BrickHack4** (Jan2018) hackathon **1st prize** winner at Rochester Institute of Technology, USA.
- "Best Quarterly Performance" award for 2 continuous quarters in year 2015 for Liberty Mutual Insurance at Cognizant, India.