

EDUCATION

COURSES	INSTITUTION	CGPA	YEAR
Master of Computer Science	Arizona State University	3.60	2017-2019
Bachelor of Technology, IT	Biju Patnaik University of Technology, India	3.76	2009-2013

SKILLS

- *Programming Language:* Java, Python, C, C++, C#, Scala
- *Web Development:* Spring Framework, RESTful Web Services, AJAX, HTML5, CSS, JavaScript, jQuery, Backbone.js, Node.js, Handlebars.js, XML, Bootstrap, Angular.js, JSON
- *Databases:* MySQL, Oracle 11g, MongoDB, PostgreSQL
- *Development Tools:* Git, Maven, Eclipse, Apache Tomcat, Android Studio, Gradle, Ant, TestNG, Junit, JDK 1.8, SSH, Hadoop, Spark, AWS EC2, CloudWatch
- *Operating Systems:* Windows, Unix, MacOS

WORK EXPERIENCE**TATA Consultancy Services****Software Engineer****September, 2013 – November, 2015****A Banking Web Application**

- Designed a spring boot enabled service and web app for bulk updating user account information.
- Designed responsive webpage using Handlebars.js and Bootstrap.
- Backbone.js was used for synchronization with REST based services and render parts of a single page web app.
- Omniture was used to capture analytics and logging in web app.
- Worked with a global team in Agile SDM with focus on code quality standard (Sonar quality gate and Junit)

A Trade Streaming Web application

- Developed a web based product for a stock trading company to manage their customer's account and stock trading.
- Created an easy to use and responsive UI by using Angular 2, typescript, CSS, SCSS and HTML.
- Experienced with using web pack for module bundling with NPM commands.
- Implemented business logics to save user settings before browser close or logout.
- Developed Angular 2 components which can be reused all across the app.
- Participated in scrum activities, leveraged JIRA as team collaboration tool and Bit bucket as code repository.

A Banking Web Application

- Developed a Spring MVC, jQuery, Bootstrap Web based application for Reconciliation Solution between bank files and Revenue management system for settlement
- Used Spring Tiles for Navigation, Spring Framework for bean lifecycle management and auto wiring beans.
- Used jQuery for DOM manipulation in JSP pages and JDBC with ORACLE and Postgres DB for database interactions (Persistence and data fetch)
- Implemented Spring MVC as MVC framework, Bootstrap and Angular JS for responsive and adaptive web design.
- To represent reconciliation data as charts in dashboard, jqPlot was used

ACADEMIC PROJECTS**Geospatial Data Hotspot Analysis (Scala, Ubuntu, Hadoop, Spark, AWS EC2, CloudWatch)****Sep, 2018 – Dec, 2018**

- Designed an efficient way to derive trend from geospatial data using distributed system by Apache Spark and Hadoop.
- AWS EC2 instances, SSH are used to setup cluster node. Map-Reduce algorithm used to carryout hotspot analysis.
- AWS Cloud watch is used for monitoring and performance evaluation (CPU utilization, Network bandwidth utilization)

Social visualization with behavior logging (Spring MVC, jQuery, Bootstrap, D3, jqPlot)**Aug, 2018 – Nov, 2018**

- Designed a Web application to profile users based on their activity pattern and visualize the trend.
- jqPlot and D3 is used to visualize the activity pattern and jQuery is used to track the user actions.
- PostgreSQL is used as database and JSTL for element iteration and condition.

Activity Predictor by Machine Learning (Java, Android, SQLite, Support Vector Machine)**Jan, 2018 – Mar, 2018**

- Developed an Android app to capture, analyze, predict and display physical activity from accelerometer data using ML.
- Implemented support vector machine to classify data and k-fold cross validation for test data accuracy.
- Implemented graph series, viewport and runnable and Plotly library to draw both 2D and 3D graphs.