**SHIVA CHAITHANYA REDDY** <https://www.linkedin.com/in/shivachaithanyareddybolla>

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**ACADEMIC PROJECTS:**

**Healthcare Management System:** <http://vehicle-tracker-application.s3-website-us-east-1.amazonaws.com>

* Designed and developed a hospital management system that contained various modules like doctor reserving a room for patient, service desk reserving a room and categorizing the ambulance requests/emergency medical requests. (Full Stack, Test driven environment, Agile, GitHub, jQuery, Spring MVC, Hibernate, MySQL, HTML, REST API, JUnit, Taiga, Draw.io, Apache Tomcat).

**Chat Room Application:** <https://github.com/ShivaChaithanyaReddy/chat-room-app>

* Developed a **MEAN** app that facilitates user to signup/login and add friends along with personal chat feature from ground to fully functional. (AWS, S3, mLab, MongoDB, Angular, ES6, Express, NodeJS, HTML, CSS3, Bootstrap, Docker).

**Movie Recommendation System - IMDB:** <https://github.com/ShivaChaithanyaReddy/MapReduce---Movie-Recommendation>

* Developed a strategic movie recommender system that suggests movie names based on similar rated movies.
* Performed comparative study on MapReduce and Spark. (AWS, EC2, S3, Putty, Hadoop, MapReduce, Java, Spark, Scala).

**Movie Trends:** <https://github.com/ShivaChaithanyaReddy/movie-trends>

* Developed an angular based web application that lets user to login/signup, view movie/celebrity details based on preference by using real time JSON API and deployed on AWS. (Angular, TypeScript, HTML, CSS, Bootstrap, theMovieDB API).

**Android Applications:** <https://github.com/ShivaChaithanyaReddy/android-applications>

* Worked on 20+ Android Mobiles Apps for “Mobile Applications Development” course in a timed environment. (Event handling, Thread, Thread pool, AsyncTask, JSON, XML Parsing, SQLite, Fragments, Postman, OkHttp, Firebase, Google Maps, Realm.io DB).

**Machine Learning Projects**

* Worked on various machine learning algorithms like LDA, KNN, Linear & Logistic regression, Neural Networks, Clustering and Dimension reduction during my course work. (Python, Spyder)

**EXPERIENCE:**

**Full Stack Developer Intern - Signode India -- Hyderabad, Telangana**

* Designed dynamic and multi-browser compatible pages for managing the inventory **(Test Driven Development,**

**HTML5, CSS3, jQuery, JavaScript, Spring MVC, Bootstrap, Hibernate, Junit, Apache Tomcat**).

* Developed interactive graphs using D3.js.
* Wrote maintainable and extensible code in a teamed environment (**Micro** **Services**)

**Full Stack Developer Intern - RSK Healthcare – Chennai, TamilNadu**

* Worked on “*Healthgo*” for online reservation and managing the doctor appointments. (**MongoDB with RSK Database, React, NodeJS, Express Framework, HTML, CSS, CSS3, Bootstrap)**
* Worked on integration with AWS Elastic BeanStalk, Simple Storage Service(S3) and RDS.

**SRM – Aakash – Chennai, TamilNadu**

* Developed a **MEAN** application for managing TEDx Events in SRM University using real time data in a test-driven environment. (**Full Stack**, **MongoDB, Express, Angular, NodeJS, HTML, CSS, JavaScript, Bootstrap).**
* Built an android application and a web portal for conducting exams for students of SRM University on an android powered device. (**Real Time Data**, **Android, Java, HTML, CSS, jQuery, Bootstrap).**

**EDUCATION:**

Master of Science: University of North Carolina, Charlotte, NC, USA. *Aug 2016 - Dec 2017*

**Major: *Computer Science*** ***GPA: 3.75/4***

Bachelor of Technology: SRM University, Kattankulathur, Chennai, TN, INDIA. *June 2012 - May 2016* **Major: *Computer Science*** ***GPA: 9.2/10***

**TECHNOLOGIES AND TOOLS:**

Angular 4, Typescript, NodeJs, Spring MVC,Spring Boot, Hibernate, Maven, Docker, Jenkins, MEAN, Micro Services, REST, SOAP, HTML, HTML5, PHP, AJAX, jQuery, JavaScript, D3.js, Agile, Junit, Jasmine, NPM, MongoDB, Express, ES6, CSS3, Bootstrap, JSON, JDBC, Java, J2EE, JSP, Java Servlets, Hadoop, R, MapReduce, Android Studio, MySQL, Git, Apache Tomcat, Xampp,.