

## SUMMARY

An aspiring Software Engineer with good knowledge of Data Structures, OOPs and Design Principles/Patterns. Experienced in building Web Apps using Spring Boot, ReactJS and NodeJS. I'm a Team-Player and a Quick learner with a curiosity to learn new technologies. Seeking Internship/Co-op positions, starting June 2020 and full-time positions, starting May 2021 (Willing to relocate anywhere in the U.S)

## EDUCATION

**M.S in Computer Systems Engineering - Northeastern University**, Boston, USA [ GPA: 3.6 / 4.0 ] 09/2019 – Expected 2021  
**B.TECH in Information Technology - Anna University**, Chennai, India [ GPA: 7.45 / 10.0 ] 08/2015 – 04/2019

## TECHNICAL SKILLS

**Programming** : Java, Python, JavaScript, C++, C  
**Web and Database** : ReactJS, Redux, Spring Boot/MVC, NodeJS, MySQL, MongoDB, jQuery, HTML 5, CSS 3, JSP  
**Tools and Platforms** : Linux (Ubuntu), Windows, Git, Maven, AWS, Docker, CI/CD (Jenkins, Travis)

## PROFESSIONAL EXPERIENCE

**Research Intern, ERICSSON** - Chennai, India 12/2018 – 03/2019  
 Project - Determining efficient techniques to deploy ONAP (Open Network Automation Platform) [ Technologies used: OpenStack, Docker, Kubernetes ]  
 • Researched about the different approaches to deploy **ONAP** and published the limitations and challenges involved in each approach  
 • Reported bi-weekly status and demonstrated progress to Principal Researcher at Ericsson headquarters, Sweden

**Web Developer Intern, IDEAGENERATOR** - Chennai, India 12/2017 – 06/2018  
 Project - Develop a website from scratch [ Technologies used: Spring MVC, MySQL, JSP, HTML, CSS, JS, NetBeans IDE ]  
 • Designed Frontend using JSP, used JSTL tags, created **custom JSP tags** and reusable Navbar and Footer JSP components  
 • Developed Spring Controllers to serve JSP pages and implemented **Spring Security** for authentication and session management  
 • Wrote POJO classes to create/update **MySQL schemas** and used **Hibernate** and Criteria API to perform CRUD operations  
 • Created **Spring Interceptors** to detect **SQL injection** and used Hibernate Validator with RegEx to ensure valid Database entry

## PROJECTS

**FOR HIRE RENTAL MARKET PLACE - WEB APP** [ Technologies used: ReactJS, Spring Boot, JUnit, IntelliJ IDE, Eclipse IDE, VSCode IDE ] [View demo](#)  
 • Designed UI using **React** function components, implemented **Redux** store, used React and Redux **Hooks**, and Axios for REST calls  
 • Developed Spring **Microservices** with **Eureka**, used **Zuul** for routing, **Hystrix** for metrics, and **config server** for cloud configuration  
 • Implemented Centralized and Microservice level **authentication** (stateless) and **authorization** (role-based) with Spring Security and JWT  
 • Created Entity classes using **Spring Data JPA** to create/update **MySQL schemas** and used JPA repository to perform **CRUD** operations  
 • Wrote **Unit Tests** and **Integration Tests** for all Microservices using Junit and Mockito to automate the testing process

**GRE HOTWORDS(GROUPED) - ANDROID APPLICATION** [ Technologies used: Java, Android Studio, Android SDK 23 ] [Google Play Link](#)  
 • Shipped an Android App to **Google Play Store** which displays a ListView of frequent GRE words with synonyms and a usage scenario

**JOB TRACKER - WEB APP** [ Technologies used: ReactJS, NodeJS, MongoDB, VSCode IDE ] [View demo](#)  
 • Built a REST API with **Node.js** and Express, used **MongoDB** with Mongoose for CRUD operations, and Designed a **ReactJS** front-end

**US VISA EARLY SLOT FINDER - SELENIUM (PYTHON) SCRIPT** [ Technologies used: Selenium WebDriver, Python, PyQt 5 ] [source code](#)  
 • Developed a Python (selenium) script with GUI using PyQT that plays an alert sound when a visa slot is available at an earlier date

**E-CERTIFICATE WEB APP – COLLEGE OF ENGINEERING, SVCE** [ Technologies used: HTML, CSS, JavaScript, MySQL, PHP ] [source code](#)  
 • Created a **Php** based Web App that fetches Student's data from a MySQL DB and dynamically generates an e-Certificate

## VOLUNTEER EXPERIENCE

**PRESIDENT, SVCE DEVELOPER CLUB** 02/2017 – 03/2019  
 Mentored a group of 120 Juniors by providing **hands-on training sessions** on developing Web and Android applications