# CHANDRA KIRAN SALADI

7650 McCallum Blvd, Apt #602 Dallas, TX 75252
Mobile No: 4699294340 Email Id: kiranck18@gmail.com
LinkedIn: www.linkedin.com/in/ChandraKiranSaladi GitHub: www.github.com/ChandraKiranSaladi

## OBJECTIVE

Seeking a full-time position as a Software Developer starting January.

## EDUCATION

**MS in Computer Science,** GPA: 3.77/4.0 *(Dec 2019)*
The University of Texas at Dallas, Richardson, TX, USA

## TECHNICAL SKILLS

**Programming**: C, C++, C#, Python, Java, JavaScript, XML, HTML, CSS, PHP, Angular, Express, NodeJS, MongoDB, Verilog HDL, Shell scripts, Batch Script, Docker, ASP.net web pages, Spring MVC, Hibernate.
**Tools**: Eclipse, PyCharm, Visual Studio, Visual Studio Code, Android Studio, MATLAB, Xilinx ISE, Microsoft Office.
**Embedded Platforms:** Raspberry Pi, Arduino, ATMEL Atmega, NodeMCU, ESP-32, MSP432
**Protocols:** I2C, SPI, CAN, 1-wire, RS-232, UART. **Wireless Protocols:** Zigbee, BLE, TCP/IP. **Music**: Guitar.
**CI/CD Tools:** GitLab, Jira, Jenkins, Docker and Kubernetes for deployment and Agile & Scrum Methodology.

## EXPERIENCE

**Engineer Intern** at **Ericsson**. Plano, Texas *(August 2018- August 2019)*

• Designed a tool in **Java** to automate the process of packaging scripts & updating in a Web Server using REST API.
• Responsible for interacting with Scripting and Automation teams to deliver solutions.
• Developed & maintained Python tool to fetch site specific information from customer network.
• Improved this tool by migrating it to a web application using NodeJS Web Server and ASP.net web pages.
• Created REST APIs in NodeJS for the web app to access / create / update / terminate the python processes that runs indefinitely
• ASP.net web pages as a UI to handle user requests and additional controls to spawn python process with the new updated information. The entire module saves more than 80% of the time taken by manual process.
• Initiated and facilitated setting up Devops tools for CI/ CD and automated testing. ( Jenkins, GitLab, Jira ); Kubernetes to deploy microservices for a python data collecting application.
• Worked on Spring Boot and Hibernate as a new initiative to migrate a console java app to a web app.

## PROJECTS

**EarthQuake Prediction** ( Kaggle Competition ) https://tinyurl.com/y5ezm5oh *(April 2019)*

- Using ML models such as LightGBM , XGB , Catboost Regression, predicted the time remaining for an earthquake to occur from a given dataset of 629 million data-points.
- Generated various features such as rolling window, quantiles, min max mean std to improve score.

**Auction Web App.** https://tinyurl.com/CkOnlineAuction *(December 2018)*

- Developed a real-time online auction web application for selling/purchasing items using MEAN Stack.
- Highlights include RESTful Web Services & Microservices architecture, HTTPS, RabbitMQ & Redis.

**Implementation of Distributed Algorithms.** *( Feb 2019 - May 2019 )*

- Implemented a simple message based Synchronous Distributed System using Sockets and Threads.
- Algorithms include Peleg's, SyncGHS and SyncBFS for leader election, spanning tree, BFS tree construction and Ricart-Agrawala mutual exclusion algorithm within the distributed network.
- Implementation using **Java** and **Linux shell scripts**. Shell script to open multiple nodes.

**Autonomous Green House System** *(February 2018 – April 2018)*

- Demonstrated a prototype that can handle enrichment of plants autonomously.
- Designed using Arduino, Raspberry Pi, Zigbee, an Android App and Amazon Web Services (AWS) as a cloud service and for Data Visualization. Owner can set the thresholds for watering and Sunlight.
- Sensors used are LDR, Temperature & Humidity, pH, Soil Moisture.