HARSHA K

Sri Ranga Nilaya

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EDUCATION

B-Tech Information technology CGPA: 7.19/10

National Institute of Technology Karnataka Surathkal India   **July 2015 – May 2019**

Class 12 – **Sharada Pre-University College (KSEEB):**93.00   **June 2013 – May 2015**

Class 10 – **Jilla Vokkaligara School (KSEEB):** 93.40   **March 2013**

TECHNICAL EXPERIENCE

- **Software Development Engineer 1** at **Gilbarco Veeder Root**, Mumbai, India   **Jul 2019 – Present**
    - Working for the inbound team which is responsible for the maintaining of the products and new feature enhancement at Gilbarco.
    - **Single handedly** developed **Automated Release Note Generation** in our system to significantly reduce the TAT for Release Note creation **from few hours to few minutes**.
    - Worked on complete **migration** of Memory Card detection from sankyo readers to Verifone readers.
    - Worked on creation of **Sankyo Detection on the Crind and** which is responsible checking fraud in dispenser or Crind.
- **Software Engineering Intern** at **Cloudify Technologies**, Bengaluru, India   **May 2018 – Jul 2018**
    - Worked on scrapping the data using Java Script and store them in Database using NoSQL.

- **Software Engineering Intern** at a startup**, RDL Technology, Mangalore**   **May 2017 – Jun 2017**
    - Worked on project called Milk Analyzer which takes a raw milk as input gives output fat present in the milk which helps in segregating the fat accordingly

PROJECTS

- **Agrisense Smart Farming using Arduino and MQTT Protocol:** An IOT project that provides an opportunity to farmers to make use of existing technology in their fields. System uses MQTT messaging protocol to establish communication among low-power IOT devices which in turn results into efficient system with reduced network traffic load.
- **Message Service system** It's based on socket connection it was implemented using Java, and it had some GUI.
- **Online Recharge Website** which allows the customer recharge his mobile, DTH and data card online and there were separate offers for registered users and guest users.
- **GUI based file management system in Linux:** In this project all the file opening, creating and other things related to file management we did this using Zenity.

- **KNN Algorithm Implementation for Big Data**: Implemented K Nearest Neighbor algorithm for distributed systems using Hadoop, map-reduce technique.
- **Conference Website for IEEE Conference held by electrical dept**: It is a full-fledged website created by using HTML, PHP and CSS and MySQL as the database.

ACHIEVEMENTS

- Awarded **State and District level in Science Talents Exam**.
- Finished in **top 2 in school** during Board exams.
- Successfully complete Inspire Internship, a program for motivating talented youth to take up research as a personal undertaking.

TECHNICAL SKILLS

- **Languages/Markup and Scripts** - Python, C/C++, JAVA, JavaScript, NodeJS, Shell-script (BASH).
- **DBMS** - MongoDB, MySQL.
- **Tools/Frameworks/Libraries** – AngularJS, STL, TensorFlow, Keras.

EXTRA CURRICULAR ACTIVITIES

- Good at Cricket, Volleyball.
- Won district level Prize in Cooking without Fire.
- Active member in the FILMS CLUB, NITK.