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NAVYA SRI NIZAMKARI

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EMPLOYMENT

Software Engineer   **Practo**   **September 2016 – Present**
- Working as a full stack developer as part of the insurance team.

Software Engineer, Intern   **Amazon**   **January 2016 – June 2016**
- Designed and built a new website from scratch using Spring MVC architecture for client onboarding which reduced effort to onboard by 12 hours. I was the sole web designer, fronted developer and backend developer.

Open Source Contributor   **The Linux Foundation**   **January 2015 – August 2015**
- Improved the staging drivers of the linux kernel by optimizing the code and fixing bugs.

Software Engineer, Intern   **HMT India**   **May 2014 – July 2014**

- Built an E-commerce website so that HMT can take their bearings business online.

EDUCATION

Hyderabad, India   **BITS Pilani**   **August 2012 - July 2016**
- B.E. in Computer Science Engineering GPA: 8.11(scale of 10)
- Coursework: Information Retrieval; Machine Learning; Data Mining; Advanced Algorithms.

PUBLICATIONS

- **Mining Typos in Text, IEEE UEMCON 2016 :** Researching the affects of typos on human communication patterns and using them to understand closeness in human relationships.
- **A Graph-based Trust enhanced Recommender System for Service Selection in IOT :** Accepted at **IEEE ICISC 2017**. The paper provides a solution to the problem of service selection in IOT networks.

TECHNICAL EXPERIENCE

Projects
- **Trust-based recommender system** (June 2016). Research project: Built a trust based collaborative filtering recommender system for service selection in IOT networks. It calculates trust from both past ratings and the network structure and tested in Libimseti dataset. R, JAVA
- **Wikipedia Search Engine** (September – October 2015). Built an offline text search engine on the top 1000 articles of Wikipedia corpus. Designed a UI where you can enter your query and the search results are returned in a ranked order under 100 ms. JAVA
- **Sign Language to words** (March – April 2015). Built an application where you can make gestures in Indian Sign Language and a voice speaks out the word signed. Leap Motion Controller, JAVA, Sphinx.
- **Cloud Storage Application** (August – October 2014). Research project: Built a cloud server and an application from scratch using which you can securely save and retrieve files on the cloud. For security, data is encrypted with AES algorithm. To prevent data loss on the server, data is stored using erasure model (takes less space than complete data replication). JAVA

ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

- **Mentor, LearnIT Girl (March-May 2016):** Taught a newbie to program in JAVA and helped her successfully build an android application.
- **Poster Presentation (NIPS 2016)** : 'A graph-based trust enhanced recommender system for service selection in IOT' at WIML (Women in Machine Learning) workshop, NIPS 2016.

LANGUAGES AND TECHNOLOGIES

- C; C++; Java; SQL; HTML; CSS; Javascript; R; Python; PHP
- Android Studio; Visual Studio; Spring MVC; Symfony; OpenGL; OpenCV; React