D. V. N. MRUDHVIKA

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Make the change that you want to see in the world.

CAREER OBJECTIVE:

To work in a stimulating environment where I can apply and enhance my knowledge, professional skills to serve the firm to the best of my efforts.

CAREER SUMMARY:

Currently working as Project Engineer at Virtual Labs Engineering and Architecture Division (VLEAD), IIIT Hyderabad from 17 January, 2017 to till date. This project is an initiative of the Ministry of Human Resource Development (MHRD), Govt. of India sponsored project.

TECHNICAL EXPERIENCE:

- Develop dynamic web application using **Restful API's**.
- Virtual labs web application displays information dynamically from Lab Data Service using **JavaScript, jQuery, Bootstrap framework, HTML5 and CSS3.**
- Feedback visualization was designed based on the multiple versions of the running feedback service of Virtual Labs using **JavaScript, jQuery, Bootstrap framework, HTML5 and CSS3.**
- Lab Data service is a micro service based on the **REST framework architecture**, to provide the entire virtual labs data to the open source development community and also this service was created to dynamically render the Virtual Labs web application pages instead of static html pages.
- Conduct workshops to get analytics and usage of Virtual Labs experiments.
- Enhancements of organization portals with required features using **Javascript, jquery, bootstrap framework, html5 and css3**.

Project : Outreach Portal
Technical Environment: JavaScript, MYSQL, Python, HTML, and AngularJS
Role: Development
Solely responsible for: Enhancements of outreach portal
Also worked on: Conducting Workshops to get analytics and usage of Outreach Portal
Abstract:

- Data Analytics of Virtual Labs experiments usage.
- Outreach portal handles all the outreach activities to promote Virtual Labs.
- Outreach Portal keeps track of all the documents related to workshops/trainings programs.
- Implemented the Outreach Portal functionality for three different roles(Admin, Outreach coordinator, Nodal Coordinator).
- Visited few engineering colleges and conducted Virtual Labs Outreach workshop.

Project: Virtual Labs Landing Pages (url: http://iiith.vlabs.ac.in/)

Technical Environment: JavaScript, MYSQL, Python, HTML,

Role: Development

Solely responsible for: Dynamically fetches the data from micro (lab data) service API's and renders on the Virtual Labs landing pages

Also worked on: Front end Design and artifacts

Abstract:

- Create dynamic web application using Restful API's.
- Virtual labs web application displays information dynamically from Lab Data Service.

Project: Feedback Visualization

Technical Environment: D3, JavaScript, MYSQL, Python, HTML, Django (jinja template) and AngularJS, Elastic search for storing and maintaining data, d3 JavaScript library for visualization

Role: Development

Solely responsible for : Feedback visualization is the graphical representation of Virtual Labs feedback responses given by the end users.

Also worked on: Representing data analytics in graphical view

Abstract:

- This visualization was designed based on the multiple versions of the running feedback service of Virtual Labs.

Project: Lab Data Service

Technical Environment: REST frame, JavaScript, MYSQL, Python, HTML, Django (jinja template) and AngularJS, Elasticsearch for storing and maintaining data, d3 JavaScript library for visualization

Role: Development

Solely responsible for: Implemented assets, integration status and hosting info

Also worked on: Representing data analytics in graphical view

Abstract:

- Lab Data service is a micro service based on the REST frame work architecture.
- The purpose of creating this service was to provide the entire virtual labs data to the open source development community.
- This service was created to dynamically render the Virtual Labs web application pages instead of designing and maintaining static html pages.

PROJECTS DURING ACADEMICS:

Project: Highway Assistance

- Implemented a highway assistance system, an Android application worked on Android Studio.
- It provides the information about Hotels, Restaurants, Hospitals, public toilets etc on Highways.

Project: Style Loft

- Designed and implemented a web application that explains the do-it-yourself techniques.
- It enables general users to develop products or services without the help or aid of an expert or organization in that particular field.

Project: Cloud Assisted Mobile Health Monitoring System

- Main aim is to design a cloud assisted privacy preserving mobile health monitoring system to protect the privacy of the involved parties and their data.
- It is considered as the revolutionary approach in improving the quality of health care service while lowering the health care cost.

M.S. (Masters of Science And Information Technology - IIIT) Hyderabad — *8.06 CGPA*

Duration of the course: April. 2015 - June. 2017
• Got internship in virtual Labs.
• Worked as placement coordinator.

B.Tech (Joginpally B R Engineering college) Hyderabad — *70.90%*

Duration of the course: August. 2011 - May. 2015
• Worked as student coordinator for IETET-2K14.

Intermediate (Nalanda Jr. College) Khammam — *83.0%*

Duration of the course: August. 2011 - May. 2015
• Worked as student coordinator for IETET-2K14.

SSC (Gowtham Model School) Khammam — *86.66%*

Duration of the course: May. 2009
• Participated in many co-curricular activities like elocution, Sports, Dance.

TECHNICAL SKILLS:

- **WEBDESIGN/ SCRIPTING LANGUAGES TOOLS** : Bootstrap frame work, d3, REST API, JavaScript HTML5, CSS3, Django, JSON, Python flask, CSS+Div, emacs, Python
- **VERSION CONTROLS :** GitHub, GitLab, bit bucket, SVN and Red mine
- **DOCUMENTED TOOLS :** MS-Office office tools
- **OPERATING SYSTEMS :** Windows Series, Linux and Mac

AWARDS

ACADEMICS

- 2017 participation, PowerPoint presentation on Git, Bug-a-thon.
- 2016 participation, Paper Presentation on Phishing, Coding Contest in IIIT-Hyderabad.
- 2015 participation, Coding contest in IIIT-Hyderabad.
- 2015 participation, PowerPoint presentation on Biometrics.

SPORTS

- 2016 1st Place, Throw ball Competition Final IIIT-Hyderabad.
- 2015 2nd Place, Throw ball Competition Final IIIT-Hyderabad.