

NAYANA Y
M.Tech (Computer Science and Engineering)

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Objective

To seek a challenging and responsible position in a professionally managed Institution where, I can utilize my skills and ability in contributing effectively to the success of the institution and further honing of my personal skills.

Education

Class	Institute	Board/Unive rsity	Year of Passing
M.Tech	CIT, Tumkur	VTU	2015
Engineering(BE)	SIT, Tumkur	VTU	2012

Computer Skills

Operating Systems : Windows XP/Vista/7, UNIX, LINUX
Languages : C, Java
Database : MySQL
Other Tools : VMWare

Projects

Project #1

Project Name	DDoS Mitigation using Software Defined Network
Project Duration	6 Months (M.Tech Main Project)
Team Size	1
Technology Used	SDN, Java, python, Ubuntu14.04, OpenDaylight, Floodlight

Description:

The aim of the project is to resist the DDoS attack and to manage load balance by using SDN. For DDoS mitigation we are assigning a threshold value so that the SDN controller resists the DDoS attack programmatically. Load balancing is to maximize throughput,

minimizes response time, avoid overload by using round robin or random policy method using a new approach called SDN.

Project #2

Project Name	Interaction between physical and digital world (Mini Project)
Project Duration	6 months
Team Size	3
Technology Used	Visual C++, OpenCV 2.1

Description: This project mainly aims at how we improve the human-computer interaction, by giving vision to the computer. Using computer-vision technique, we control the cursor movements and perform some of operations like left click, right click and moving images by giving a gesture as input to the camera. RGB sensors are used.

Project #3

Project Name	Remote Voting System Using Visual Cryptography
Project Duration	6 months
Team Size	4
Technology Used	MySQL5.0, JSP, Servlet, JDBC, JDK1.5

Description: The project aims to add an extra level of security into remote decision making process. This is accomplished by secret sharing of images using visual cryptographic techniques. This objective is achieved by implementing some changes to the remote voting system that is the election office splits the passwords into two shares and mails a first part of the password share to voter well in advance to his email id and the second share is downloaded by the user (voter) during the polling time. The voter needs to merge both these shares of password by overlapping both the images to get the final voting password.

Papers Published

- Published a paper on **DDoS mitigation using Software Defined Network** in the International Journal of Engineering trends and Technology, volume 24 number 5 – June 2015.

Achievements

- Performed in **QUEST**.
- Participated and grabbed prizes in singing and dancing competitions in Graduation.

Extra Curricular Activities

- Coordinated events in **BROWSE'08**-Department fest in college.
- Coordinated events in **BROWSE'12**-Department fest in college.
- Coordinated events in **Halcyon'11 and Halcyon'12**-College fest.
- Member of Women Empowerment Cell, SSCW Tumkur.
- Member of Anti sexual Cell, SSCW Tumkur.

Strength

- Adaptability
- Posses high level of ability and strong passion to excel.
- Can learn any language/ tool within a short period and implement it effectively.
- High leadership qualities.

Hobbies

- Dancing
- Singing
- Acting
- Traveling