

# SANA TAFLEEN

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**OBJECTIVE** Seeking an internship or full-time position as a Software Developer to utilize my problem-solving skills and attention to detail to further develop my abilities

## SUMMARY OF STRENGTHS

- Well acquainted with information technology and computer science concepts including algorithms, database technologies, networking, operating systems and software engineering
- Strong research interest and experience in programming in C, C++ and Java
- Knowledgeable in emerging technologies including App development, Ruby and Python
- Strong communication, writing and presentation skills

## EDUCATION

- **UNIVERSITY OF LOUISIANA AT LAFAYETTE, LAFAYETTE, LOUISIANA** 2016- Present  
Pursuing Master's in Computer Science GPA: 3.5

### Related Coursework

- Design and Analysis of Algorithms
- Principles of Computer Architecture
- Information Storage and Retrieval
- Computer Graphics
- Operating Systems
- Web Application Development

### Thesis

Fault Tolerance in Software Defined Networks for video-based crisis information sharing

- **V. R. SIDDHARTHA ENGINEERING COLLEGE, INDIA** 2012- 2016  
Bachelor of Technology (Graduate) GPA: 4.0

## TECHNICAL SKILLS

- |                               |  |
|-------------------------------|--|
| <b>Database:</b>              | SQL, PL/SQL, MYSQL                                   |
| <b>Programming Languages:</b> | C, C++, JAVA, Python                                 |
| <b>Operating Systems:</b>     | Windows series, UNIX, LINUX                          |
| <b>Application Tools:</b>     | MS-Office, Visual Studio, Visual Paradigm, Net Beans |

## ACADEMIC PROJECTS

- **Smart Student Teacher Interaction System** 2012- 2016  
A web and mobile application acting as information kiosk for students and faculty to increase interaction and communication  
PHP, MYSQL, JAVA, XML
- **Unsupervised Ranking of Multi-Attribute objects** Aug 2016- Dec2016  
Proposed a mathematical and algorithmic framework for learning to aggregate partial rankings without supervision using Multinomial Preference Model (MPM)
- **Computer Graphics** Ongoing  
Develop a basic triangular mesh viewer and provide interactive mouse control for rotating, zooming using OpenGL

## EXPERIENCE

- **University of Louisiana at Lafayette** Sep 2015- Present  
Research Assistant

- **Virtual Crisis Information Sharing using SDN/OpenFlow:** Introduce a video-based mobile application for the public to report any ongoing incidents or disasters. My research is to develop a fast failure recovery from any virtual switch failures, to have a resilient SDN network to handle network failures as well as improved network performance.