NITU SHARAFF

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EDUCATIONAL QUALIFICATIONS:

Class	University/School Board	Year of Passing	Percentage/CGPA
BTech* (up to 6 semesters)	VIT University, Chennai	Ongoing	9.47
12th	CBSE	2013	95.25%
10th	CBSE	2011	9.4

*Migrated from Electronics and Communication to Computer Science Engineering

ACADEMIC ACHIEVEMENTS:

- Secured a department **rank 3** in Electronics and Communication Engineering in the year 2014.
- Received the **best Project Based Learning (PBL) Award** for making an **Obstacle Detecting Robot**.
- Secured a department **rank 4** in Computer Science and Engineering in the year 2015.
- Received **Summer Scholarship 2016** for the Taiwan International Graduate Program (TIGP) at Academia Sinica, Taipei, Taiwan.

TECHNICAL SKILLS:

- Programming Skills: C, C++, R, Javascript, PHP, SQL and MATLAB.
- Beginners' level: C#, Python, CSS, HTML 5, SQL.
- Software: Visual Studio 2013, VMware, Construct 2, PSpice, MS Office, Solid Works.

AREAS OF INTEREST:

- Machine Learning
- Data Analysis

CO-CURRICULAR ACTIVITIES:

- Received **3rd prize** in **Loki Toki Hackathon** event organized by Microsoft Innovation Center for making a **Windows App** in 24 hours.
- Received **3rd place** in intra college coding event- Qubit.
- Participated in **Big Data Analytics training** by Microsoft partner 3x3conect.
- Participated in **Loki Toki Hackathon** event organized by Microsoft in Big Data Analysis and Windows Application Development.
- Participated in **Android Amaze- Hackathon** 2015.

WORK EXPERIENCE:

1. **TIGP-International Internship Program at Taiwan (Summer Intern, 1 June 2016 to 31 July 2016)**
   - Research Intern to analyze the YELP and Groupon Dataset using machine learning techniques like Support Vector Machines using 'R' language to understand how social media endorsements affect the sales and demands of products and services.

2. **IQLECT Software Solutions Pvt. Ltd. (Intern, December 2015)**
   - Implemented the "Regular expression tester and validator form" which has been made part of the IQLECT website product. In addition, learned to work with SCALA, REST-API and Play-Framework for the server side implementation and HTML, CSS, Javascript, JQuery and Angular JS for UI. Also, experimented a website monitoring software Piwik and its Javascript based tracking client feature.

3. **Digital Sales Intern at Axsiom (Internship –January 2015 to March 2015)**
   - Worked at India's first open ended alternative investment fund to sell domains.
   - Sale of domains across various platforms, generating leads and closing deals.

4. **Content Writer (Internship – December 2014 to May 2015)**
   - Worked at The Asylum that provides an opportunity to improve skills and emerge as a creative writer on Technology, Promotional and Non-promotional articles.

PROJECTS:

1. **Dvelopment of neural language models for natural language processing of song lyrics, and its application to music emotion recognition (Currently going)**
   - Working on a research paper on the word2vec tool Gensim to detect emotions from music with Professor Hsuan, Academia Sinica.

2. **Microsoft Ltd. (Project, May 2015 to October 2015)**
   An innovative web application on **'Music Discovery'** using Python language in Flask Framework with D3 visualization and also converting it into a Universal Digital Application through Project Westminister by VS 2015. Won the best project award.

3. **Network Intrusion Detection (KDD Dataset) (January 2016 to May 2016)**
   - Worked on a project of analysis of NSL-KDD Dataset for Intrusion Detection system using Parallel SVM on R Platform to differentiate between SVM and Parallel SVM.

4. **Digit Recognizer(July 2015- December 2015)**
   - A research paper on detection and conversion of handwritten digits to electronic digits through various algorithms under the course of Image and Vision Computing.

5. **Agent Based Operating System (July 2015- December 2015)**
   - A research based project on Agent Based Operating System to enhance the working of OS under the course of Agent Based Intelligent Systems.

6. **Project ARA**
   - Worked for a Google initiated project on modular phones.

7. **Obstacle Detecting Robot**
   - Implemented a robot that detects the objects or obstacles placed before it with the concept of IR sensors.

EXTRA CURRICULAR ACTIVITIES:
- Participated in **CBSE National Level Table Tennis Tournament** in the year 2007 and 2008.
- Won **1st prize** in **CBSE Table Tennis Cluster II Tournament** in 2007 and 2008.
- Received **1st prize** as a Captain of BTech Sports Group (Female) - Intra College Sports, VIT Chennai.
- Participated in Model United Nations as a delegate of Central African Republic in WHO.
- Received **1st Prize** in **Intra College Sports for Table Tennis and Basketball** in VIT Chennai.
- Won **1st prize** in Table Tennis for **Rajeshwari Tournament** at VIT Vellore in 2014.