SUSHEEL S

CONTACT INFORMATION

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OBJECTIVE

To obtain an internship within the Computer Science field in order to further my technical and professional skills with hands-on experience and increase my industrial and Research-oriented knowledge base for organizational and personal growth.

EDUCATION

P.E.S Institute Of Technology   (Aug 2013- Present)

- Bachelor Of Engineering
- **Major:** Computer Science (III semester)
- **CGPA:** 9.50/10

V.V.S Sardar Patel Pre-University College   (2011-2013)

- Intermediate/+2
- **Major:** Physics, Chemistry, Mathematics & Electronics
- **Percentage:** 95.25%

BEL (CBSE) Vidyalaya   (2005-2011)

- Matriculation/Secondary Education
- **GPA:** 10.0/10.0

WORK EXPERIENCE

Internship, Student Nokia Developer Lab   (May –Aug 2014)

- Developed and published a real time, multiplayer, social movie quiz app for Windows Phone 8.1.
- Implemented matchmaking (multiplayer feature), score, leaderboard and social service for the app.

KEY PROJECTS

Nokia Sponsored Big Data Project: Predicting Users next location
(At Center for Cloud Computing and Big Data in college)   (Ongoing)

- This project deals with the different approaches on how we can make use of the MDC dataset sponsored by Nokia to come up with an algorithm which would predict the user's next location at topmost accuracy.
- Exploring various algorithms implemented in apache mahout and classifiers in C 4.5. Because of the sheer size of the dataset around 50GB, implementing the algorithms on Hadoop.

Real Time Doubt Tagging for Online Classrooms (Feb-2015)

- Developed a framework where in concurrent users of online classroom video material could raise doubts at any time point of time and get it clarified using peer-peer community discussion forums.
- Extensively used JavaScript, PHP, YouTube Player API and HTML.
- This project was given jury special mention prize at Simplilearn Hackathon 2015

Smart Advertisements (Dec)

- Developed a framework which successfully recommends the most relevant advertisements for users in real time while watching videos. Used analytics for finding keyword in the video and displayed ads.
- Extensively used PHP, AlchemyAPI, Google Speech API and ffmpeg.
- This project was selected for runners up prize by SAP Labs India.

Lossless Data Compression using Huffman Coding and Lempel-Ziv(LZ),

Data Structures Course Project. (Nov-Dec)

- Implemented Huffman Coding and LZ Algorithm for text compression using different Data Structures.
- Analyzed the result for efficiency, speed and accuracy for the different the data structures and the two algorithms.
- Frontend was done using JavaFX and the algorithm was implemented using Java.

App Recommendation Engine (Aug-Sept)

- Developing an app recommender for various platforms like google play store and Windows store.
- This system will take into consideration the browsing history on the web, Facebook likes, google + follows and twitter posts of a particular user and suggest him/her relevant app which he/she likes from millions of apps from the store. Using the K-means algorithm for clustering and unsupervised learning of the data set.

Opportunity Tracker, *Report Generation, Sales Tracking and Notification System*

- Designed and developed sales opportunity system for Digitek Scales a distributor of Mettler-Toledo jewelry scales in south India.
- Extensively used JavaSE, JavaFX, JDBC and MySQL

Hands Free Cake Book (Mar-Apr 2014)

- Built and published a Windows Store App for tablets and RT devices as a part of Microsoft Appathon Contest at Student Nokia Developer Lab at college.
- Implemented hand gesture recognition feature for navigating through the different steps involved while baking cakes. Used OpenCV image processing library.
- The app has 1000+ downloads from around 20 different countries.

Greenify (Dec 2013)

- A forum for people to put forth issues (like water problem, sewage overflow, garbage dumping, bad roads, etc.) by taking pictures and writing descriptions, so that the municipal head is informed and can take swift actions and make the locality a cleaner and greener place.
- The prototyping was done on android platform. Explored Google Maps API for feature like gps tagging of the photo taken, automatic mail generation to the head of the locality based on the problems was also implemented.

ACADEMIC HONORS/AWARD

- **Selected for Indian Academy of Sciences Summer Research Fellowship 2015**
- **Certificate of Recognition (Microsoft Corporation India) –** For being the one of the initial first year students from college to have built and published an app for the Windows store.
- **Secured a rank of 486 in Karnataka Common Entrance Test (2013) among 150000 students.**
- **Secured a rank of 196 in ComedK UGET (2013) among 88000 students.**
- **Was awarded Certificate of Merit by Central Board of Secondary Education, Govt. of India for securing 10 CGPA in All India Secondary School Examination 2011.**

RESPONSIBILITIES   **Microsoft Student Partner, *Microsoft India***

MSP id: NEWMSP/2014/515   (August 2014- Present)

- Carrying the value of Microsoft's offerings to fellow students in the institution and across the country.
- Build Applications for Microsoft's Platforms and demo them. Conduct workshops and talks.
- Attend hands on training sessions from Microsoft leaders about cutting edge technologies.

Contributor , PES OpenSource Community and Student Nokia Developer Lab

- Organize events like hackathons, help conduct workshops, seminars and bootcamps.
- Develop websites for various events. Promote the use of open source software and help students cultivate good programming skills.

Event's Organizer at E-CELL (Entrepreneurship cell in college)

- Promote entrepreneurship among students. Organize various talks by professionals, TEDx talks, business plan competitions etc. Conducted events like e-spark, idea blaze, incito.

COURSES TAKEN/SKILLS

- **Data Structures and Algorithms, Digital Design, Computer Organization and Architecture, Object Oriented Programming.**
- **Java, JavaFX, SceneBuilder2.0.**
- **C# for windows phone development.**
- **GNU Octave, OpenCV, Python, SQL, PHP and C (Basics).**

- **Machine learning - Independent course work on Coursera** (Basic algorithms like regression, neural networks, Support Vector Machines and Unsupervised learning algorithms).
- **Used Apache Hadoop, Apache Mahout, Scikit-learn**

EXTRA-CURRICULAR ACTIVITIES	- Was awarded Jury Special Mention Prize for Idea and Execution at Simplilearn Hackathon conducted in Feb 2015. - Was selected for attending the Annual Microsoft MSP and developer Summit 2014 which held at Microsoft Innovation Center, India. - Runners-Up at "What the Hack" hackathon conducted by SAP Labs India December 2014. (For developing smart contextual ads). - Part of the CSR Club - Social Responsibilities include environmental awareness, Blood Donation Camps, medical camps in villages. - Facilitated cloth and food donation drive for orphan kids at 'Belaku' Foundation. - Conducted a hands on workshop along with my friend on Windows Phone app development, covering the basics at Alliance University in September 2014 for undergrad students. At the end of the workshop students were able to build and showcase a basic diary app which used SQLite local database. This was done as an initiative at Student Nokia Developer Lab. - Was selected and was the finalist in InMobi Hack day competition. - Participated in various hackathons organized in the city. - Part of the team which participated in the CBSE Handball National Tournament in 2009 and runners-up in the south zone. - Participated in the International Children Film Festival (2007).