**SANTOSH SRIDHAR**

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***Objective***

Seeking a challenging position in your esteemed organization to utilize my skills and abilities as a software engineer, having experience in Android, that offers professional growth while being resourceful, innovative and flexible.

***Experience Summary***

1. A Software professional with 1.2 + years of work experience.
2. Hands on experience on Android.
3. Strong Analysis, Design, Development, Implementation and Debugging skills.
4. Good team player and collaborating with team all time.

***Work Experience***

Working as Android Developer in Embed Innovations, Jayanagar , Bangalore from July, 2012 till date.

***Education Qualification***

Completed **Bachelor of Engineering** in **Information Science and Engineering** from Atria Institute of Technology, Bangalore in the year **2012** affiliated to Visweswariah Technological University, with an aggregate of **69%**.

***Technical skills***

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| --- | --- |
| **Operating System** | Windows NT/2000, XP, Linux |
| **Software Tool** | Eclipse – Android Dev Tool |
| **Programming Languages** | Basic Knowledge of C, C++, Java. |
| **Web Technologies** | Basic Knowledge of HTML |

***Major Assignments***

**ASSIGNMENT 1:**

**Project Name : Home Automation System based on Wireless Networks ( Phase-1 )**

**Environment : Eclipse IDE**

**Role : Android Developer**

**Company : Embed Innovations, Bangalore**

**Project Description**

Home Automation system software is used for controlling the C E devices within Home and Commercial purpose. It is used for centralizing lighting, [HVAC](http://en.wikipedia.org/wiki/HVAC) (heating, ventilation and air conditioning), appliances, and other systems, to provide improved convenience, comfort, energy efficiency and security. ***Phase-1*** of the projectalsoincludes safety features like burglar alarm, IP camera facilities for continous video coverage, activating lights with a touch on your smart phone, smoke alarms.

The main ***Advantage*** of Home Automation System when compared with other home automation system provider is that here all the above mentioned features can be controlled/monitored by Android based Smart phone from any part of the world.

**Solutions and Key Benefits to the customer**

1. Instant notification once an intruder steps onto your property
2. View live video and store evidence on the cloud
3. Trigger lights when the smoke alarm goes off
4. Activating lights as you approach your home

**ASSIGNMENT 2:**

**Project Name : Home Automation System based on Wireless Networks ( Phase-2 )**

**Environment : Eclipse IDE**

**Role : Android Developer**

**Company : Embed Innovations, Bangalore**

**Project Description:**

Successful Implementation of ***Phase-1*** was followed by enhancements to the Home Automation System with the introduction of below new features for the comfort of our customers a smart Home Automation system saves money and even saves the environment

1. Automatic Curtain Operation
2. Automatic Air Conditioning
3. Garden Sprinkler System
4. Mood Lighting and so on,

**Roles and Responsibilities:**

* Eclipse IDE tool was used to Design the source definition, target definition and transformations to achieve our final design.
* Worked on various types of animations using xml to provide creative and attractive interface for our customers.
* Created various layouts for all the features to provide more flexibility.
* Application is developed user friendly way that customer can apply their own desired pictures to the application .
* Application is developed such a way that it can be used by people of all age group.

***Academic Project:***

**Licklider Transmission Protocol For Cislunar Communications**:- Worked as an intern at LRDE-DRDO

Licklider Transmission Protocol offers a new solution to highly stressed communications in space environments, especially those with long link delay and frequent link disruptions in deep-space missions. In order to reduce the delay and the congestion in communication networks we use licklider transmission protocol and thus increasing the quality of service. This project defines a standard for the Licklider Transmission Protocol (LTP) and associated service for application in the space environment. LTP provides optional reliability mechanisms on top of an underlying communication service.

**Summary:**

* We have analyzed the efficiency of LTP in combating network packet losses
* We developed a model to implement interleaving to improve the LTP performance
* We derived an upper bound on the end-to-end performance using LTP
* We have also shown the reduction of delay and congestion during packet transmissions and hence the Quality Of Service (QOS) is increased. This is done by data recovery by the addition of redundant data.

**Personal Details**

Address : # 63/A, 4th Block, 10th Main, Rajajinagar, Bangalore - 560010

Marital status : Single

Languages Known : English, Hindi and Kannada

Nationality : INDIAN

Place: Bangalore

Date : Santosh S