CURRICULUM VITAE

## Flat No B 401,

**Aakruti Amity, Ananth Nagar,**

**Electronic City,**

**Bangalore, Karnataka**

## DEEPA G.R

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**Objective**

To work in a challenging and responsible position where I can effectively contribute my skills for the progress of the organization, and to update myself with the latest technologies.

**Academic Background**

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| --- | --- | --- | --- |
| **Course** | **Year** | **Institution** | **Score** |
| MTech-Communication Engineering | 2012-2014 | VIT, Vellore | 9.04 CGPA |
| BTech-Electronics & Communication | 2008-2012 | SCT College of Engineering, Trivandrum | 7.38 CGPA |
| 12th | 2008 | Arya Central School | 90% |
| 10th | 2006 | Marion Villa ISC School, Trivandrum | 91% |

**Computing Skills**

* **Languages** **:** C, C++, JAVA,
* **Packages** **:** MATLAB, CST STUDIO, OPTSIM, AWR OFFICE, MS OFFICE, OPNET
* **Platforms:** Windows 2000,XP,Windows 7, ANDROID

**Position Of Responsibility**

* Was volunteer for various technical events during fest in college.

**Educational Awards**

* Proficiency Prize Winner three times in school level.
* School second topper in 10th Board Examination.
* Got award from Educational Minister organized by SNDP Association

for securing highest marks in 10th and 12th std.

* Got cash prize from school for securing highest marks in Physics in 12th std.
* Got University Merit Scholarship Award for being one of the toppers in MTech -Communication Engineering Department in VIT.

**Project Experience**

* **BTech Main project :** Identification of faces using Dual-Tree Complex Wavelet

transform

***Description:*** A novel geometric structural facial representation using Dual-tree complex wavelet transform giving low redundancy, invariant to shift and illumination is used for recognition of facial images.

***Language used*** : MATLAB

* **MTech**

**Semester 1 SET Conference**

***Topic* : Pentagonal Microstrip Antenna in LTE Systems.**

***Description*  :** A pentagonal shaped microstrip patch antenna was designed to operate in the LTE frequency band 1.85-1.92 GHz to provide a wide bandwidth of 60 MHz.

***Tool used*  :** CST STUDIO

**Semester 2 SET Conference**

***Topic*** : **Secure Data transmission in network system by**

**cryptography technique**

***Description***: An improved algorithm for encryption and decryption was developed using some basic mathematical operations to provide a fast and efficient method of secure data transmission.

***Language used*** : MATLAB

**Semester 3 SET Conference**

***Topic* : Performance Analysis of interdigital capacitor**

***Description***: An interdigital capacitor is designed and its performance is analyzed for different substrate materials and optimized to obtain a good Q-factor.

***Tool used*  :** CST STUDIO

**Semester 4 Final Project**

***Topic* : Augmented Reality Implementation in Building**

**Automation Systems**

***Description:*** Developed an android application to be used to identify equipments like controllers, augment building management data obtained from the BMS database related to that equipment. The data is being augmented to give live display of values using the technology of augmented reality. Augmented Reality technology combines real world information with some virtual information. Tracking of the equipment is implemented using two methods- QR code tracking and image tracking. The application has been tested and is successfully run in Vuzix M100 smart glass.

***IDE used:*** Eclipse ***Language:*** JAVA ***Platform:*** Android OS

**Project done in Honeywell Technology Solutions, Bangalore (15/10/2013 till date)**

**Papers presented:**

* Presented a paper in the annual International Set Conference held in VIT on the topics **Pentagonal Microstrip Antenna in LTE Systems** and **Performance Analysis of interdigital capacitor.**

**Extracurricular Activities**

* Won prizes for music, recitation, art and dance events in school level.
* Won medals for sports events in school.

**Personal Details**

Father’s Profile : DR. R.Gireesan, Retd. Principal, Govt Medical College

Mother’s Profile : Dr. Roshni V.S,Associate Director,CDAC,Bangalore

Permanent Address : Flat B 401, Aakruti Amity, Ananth Nagar, Electronic City

Sex : Female

Marital Status : Single

Date of Birth : 21-09-1990

Hobbies : Listening to music, Reading

**Declaration**

I, Deepa G.R, hereby declare that all the details furnished above are true and to the best of my knowledge and I am willing to go anywhere in India, place of work will never be a hindrance in achieving my goal.