LOKESH SANKARAN

EMBEDDED DEVELOPER

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PROFILE

One year of experience as an embedded developer in Adroit Technologies, Coimbatore from June 2013 to August 2014. The company has strong expertise in embedded systems projects and training to college students. Adroit’s service offerings are built around the core competencies gained through clear focus on embedded systems development initiatives for years. Worked in a demanding start up environment and have ability to produce results without much direction.

OBJECTIVE

An Embedded Software/Firmware Engineer position in an embedded system design company where I can contribute using proven ability to develop software components for complex embedded systems.

EDUCATION

2014 – 2015 PG Diploma in *Embedded Real Time Systems* in National Institute of Electronics

And Information Technology, Calicut.

2009 -2013

B.E. in Electrical and Electronics Engineering in KTVR Knowledge Park for Engineering and Technology, Coimbatore with **7.5 CGPA**.

2007- 2009

Higher Secondary with **72%** in Immaculate Heart of Mary’s Matriculation Higher Secondary School, Coimbatore.

2006 –2007 SSLC with **82%** in immaculate Heart of Mary’s Matriculation Higher Secondary School, Coimbatore.

EXPERIENCE

Adroit Technologies

2013 - 2014

Worked as an Embedded Firmware developer for one year.

TECHNICAL EXPERTISE

* *Operating System* : Embedded OS(Linux) and RTOS (RTLINUX and VXWORKS)
* *Programming Language*  : C, C++, Embedded C
* *IDE/Simulation* : Keil C Vision, MPLab , Proteus
* *Microcontroller* : 8051, PIC, ARM
* *Protocol* : RS232, UART, SPI, I2C, CAN
* *Wireless Technologies* : GSM, Bluetooth, GPS and Zigbee
* *Device Driver* : Linux Device Driver for USB, Character and Bulk

EXPERIENCE PROFILE – KEY PROJECTS

**1. Home Security System using GSM**

The project entitled as HOME SECURITY SYSTEM USING GSM. This project is used to secure a home and locker in the safety room from theft.

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| **Home Surveillance system using GSM** | |
| Role | Programmer, Development of software simulation and hardware module |
| Language’s Used | Embedded C |
| Microcontroller Used | PIC |
| Team Size | Single |

**2. Modernized Rail Flaw Detection using Robots**

The robot will detect the crack in the track. If any cracks or defects in track will detects and control the light signal in rail path.

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| --- | --- |
| **Modernized rail flaw detection using robots** | |
| Role | Programmer and Development of hardware components |
| Language’s Used | Embedded C |
| Microcontroller Used | PIC |
| Team Size | Double |

**3. Vehicle Detection and Tracking System**

This project is used to detect or track a vehicle in roads. If any theft or any accident happens send sms to nearby police station and hospital using GSM.

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| --- | --- |
| **Vehicle Detection, Tracking and counting objects for Traffic Surveillance system** | |
| Role | Programmer, Development of software simulation and hardware module |
| Language Used | Embedded C |
| Microcontroller Used | PIC |
| Team Size | Single |

NON FORMAL COURSE / IN PLANT TRAINING

* I have attended a training program on “*Introduction to Low Voltage Switchgear* (ILVS) “– conducted at L&T Switchgear Training Centre at Coonoor, from 9th July 2012 to 11th July 2012.
* I have completed a course regarding “*Microcontroller 8051*” in BTS and also completed “PIC microcontroller” in GTR technologies.
* I have attended *Inplant training* from 07.06.2011 to 14.06.2011 in Electrical Engineering Department in *Chennai Port Trust.*

ACHIEVEMENTS

* Secured **First place** in *Project presentation* at National level Techno fest conducted by department of EEE in KSR College of Engineering on 26th September 2012.
* As a team work, **won** U-16 category *cricket tournament* conducted by Coimbatore District Sports & Games Welfare Association.

HOBBIES

* Training Students Technically
* Playing Cricket

STRENGTH

* Good Communication, Quick Learner with an Positive Attitude
* Good Team player, Smart worker with an innovative approach

PERSONAL PROFILE

Father’s Name : Mr. L.Sankaran

Mother’s Name : Mrs. S.Karpagam

Date of Birth : 27-09-1991

Gender : Male

Linguistics : English, Tamil (R/W/S/U)

Nationality : Indian

REFERENCE

Vidhya Sri T,

HR Manager, Adroit Technologies, Lakshmi mills, Coimbatore

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**Place : Coimbatore (LOKESH S)**