Harsha HN

Associate engineer at Robert Bosch Engineering and Business solutions

Summary

Passionate Tech-savvy, seeking a profession in leading Future-Technological company.

I'm a fresh graduate & filled with lot of enthusiasm to work on Disruptive Technologies & Pilot Project Ventures. I'm Agile, Adept & Adaptive to challenges!

Experience

Associate Engineer   at   Robert Bosch Engineering and Business solutions

August 2016 - Present (8 months)

Vehicle safety under Automotive domain.

Current project: Integrated Safety System, integration of all 3 sub-domains of Vehicle safety i.e.,

1. Passive safety

2. Active safety

3. Driver assistance.

Underwent training: "Practical approach towards Embedded systems"

Theoritical & practical sessions from Mr.Naveen Shenoy of 'Shenoy Systems' - 2016.

Education

M.S. Ramaiah Institute Of Technology

Bachelor's Degree, Electronics and Communications Engineering, 2012 - 2016

Grade: 9.16 CGPA

Activities and Societies: TECH fest organizer 2013-15, Table Tennis, Industrial Visits to TESSOLVO - Semiconductor.

People's Education Society (P.E.S) PU College.

Pre-University Course, Electronics, 2011 - 2012

Grade: 93.5%

Activities and Societies: RoboClub - Hybrid Car, Table Tennis , and Hands-on with Electronics circuits, controllers & systems.

National High School

High School, Mathematics and Science, 2007 - 2010

Grade: 94.56%

Activities and Societies: Bangalore Science Forum-2010 - 40 days of workshops, industrial visits and seminars on variety of topics in science and mathematics.

Skills & Expertise

Machine Learning
Python
Matlab
Advanced Digital Logic Design
Creative Problem Solving
Embedded System design
Xilinx ISE
Neural Networks
FPGA
System Verilog
Arduino
Linux Operations
Computer Networking
Beaglebone Black
Digital Signal Processing
Computer Architecture
Self-research
Android Development
Digital Front-end Design
Digital Circuit Design
Cadence : Virtuoso & Encouter
LaTeX
Information Theoy & Coding
Cricket
Table Tennis
Teamwork
RTL Design
Microsoft Office
Project Management
Java
MM VLSI

Publications

"Normal probability and heuristics based path planning and navigation system for mapped roads"
IMCIP- 2016, ELSEVIER.   June 30, 2016

Authors: Harsha HN, Amrinder Singh, Prasad Raghavendra, Amith Lawrence, Prof.Lakshmi Shrinivasan

Computation efficient algorithm for Real Time assistance in Navigation/Networking by heuristic approach.

Publication @ Twelfth International Multi Conference on Information Processing-2016.

URL: http://www.sciencedirect.com/science/article/pii/S1877050916311498

Projects

TraQuad - Autonomous Imaging based Tracking Quadcopter.

July 2015 to May 2016

Members:Harsha HN, Prasad Raghavendra, Amrinder Singh, Amith Lawrence

Project guide: Prof.Lakshmi Shrinivasan, ECE-MSRIT-2016.

Confluence of Networks & sensors, RT- Image processing, Android, Aerodynamics, Embedded systems –
2015-16 and also 2nd best project award from MSRIT-ECE.

Path Optimization & Mapping of road networks.

January 2015 to Present

Members:Harsha HN

Texas India Innovation Design Contest- 2015 -Team 149

Navigational assistance system using TI's Beaglebone Black.

Demo video: https://www.youtube.com/watch?v=bAWD47jVRwI

Courses

Independent Coursework

6.004.1x Computation Structures 1: Digital Circuits - MITx	EdX
ENGRI1210x The Computing Technology Inside Your Smartphone - CornellX	EdX
Internet & Wireless Communication Emerging Technologies-Yonsei Univ	Coursera

Languages

English	(Full professional proficiency)
Hindi	(Professional working proficiency)
Kannada	(Native or bilingual proficiency)
Sanskrit	(Elementary proficiency)

Interests

Disruptive Technologies, Entrepreneurial Ventures.

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Linked in

Contact Harsha on LinkedIn