

# Chethan Mysore Parameshwara

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## Resume

### Objective

*Strong passion for Robotics, especially in Embedded Systems and Computer Vision. To enhance my current skills in Robotics by working with the highly experienced researchers and professionals. To pursue research and entrepreneurship in the Robotics.*

### Education

- 2010 - 2014 **Bachelor of Engineering (B.E.)** , Sri Jayachamarajendra College of Engineering, Mysore, CGPA: 8.71 on a scale of 10.  
Electronics and Communication Engineering
- 2008 - 2010 **Pre University** , Sadvidya Composite Pre University College, Mysore, PCME, Percentage: 93.67, CET Rank: 750.
- 2007- 2008 **Karnataka Secondary Education Examination Board** , Vijaya Vittala Vidya Shala, Mysore, Percentage: 96.

### Experience

- August 2014 – **Associate Software Engineer**, ROBERT BOSCH ENGINEERING AND BUSINESS SOLUTIONS LIMITED (RBEI), BANGALORE.  
Present Presently working in Customer Engineering team for PSA Peugeot Citroen. Our team is responsible for Software development of Electronic Control Unit for HYbrid4 diesel engine.
- July 2013 – **Summer Research Fellow(SRF)** , INDIAN INSTITUTE OF SCIENCES (IISc)  
August 2013 BANGALORE.  
Worked under Prof. Vinod Sharma, Performance Analysis Lab, Department of Electrical and Communication Engineering, Indian Institute of Sciences (IISc), Bangalore for 8 weeks

- Information Theory in the context of energy harvesting transmitters differs from the classical information theory in the sense that the transmitters can be potentially energy deprived while sending data. The project was intended to study a mathematical model for finding the capacity of channel with energy harvesting source. The motive of this project was to understand the research demands in the field of information theory and green communication.

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http://analogicalnexus.blogspot.in/

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## International Project

October 2012 – June 2014 *PACE PAMD (Partners for Advancement of Collaborative Engineering Education Portable Assisted Mobility Device)*

Description PACE PAMD Project is a Global Collaborative project organized by the PACE which focuses on solving a mobility problem in urban area. PAMD Project is the two years project which constitutes the collaboration of several universities from all over the world to work on Industrial Design, Engineering, and Manufacturing sectors.

Role Student Team Mentor, Embedded Control System Designer, Android Application Developer

Award Our team won the 2nd place at 2013 PACE Global Annual Forum for the 1st year Design and Engineering of PAMD vehicle called STAG, which was held at Art Centre College of Design, Hillside Campus in Pasadena, C.A. USA.

Android App <https://play.google.com/store/apps/details?id=com.analogicalnexus.pace.stag>

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## Final Year Project Thesis

### Hybrid Indian Sign Language Interpreter ( Hi SLI)

October 2013 – June 2014 The primary aim of this project is to aid the communication between a speech impaired person and the other with no impairment. Normal conversations with a speech impaired person would require knowledge of sign-based communication. We have developed an android application which converts the sign from ASL and ISL to appropriate text and audio. The project work got published in the form of research paper in International Journal of Computer Applications (IJCA).

Role Team Leader, Android Application Developer

Android App <https://play.google.com/store/apps/details?id=com.opencv.analogicalnexus.facedetect>

IJCA Paper Link <http://www.ijcaonline.org/archives/volume97/number13/17067-7484>

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## Industry Project

### In-House Fuel Measurement System

December 2012 – May 2013 **Anveshan 2012 Fellowship**, ANALOG DEVICES INDIA, Bangalore.  
• A novel method of fuel measurement involving the accurate measurement of fuel intake using Ultrasonic Sensor as a part of the Analog Devices - Anveshan 2012 Fellowship Programme. The full project was funded by Analog Devices India

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## Awards

July 2013 Won the third place for a paper on *Black Box based Alerting and Monitoring Sytem (BBAAMS) for Car* at 2013 PACE Global Annual Forum as part of Collaborative Innovation Challenge (CIC) project competition held at Art Centre College of Design, Hillside Campus in Pasadena, C.A. USA.

November 2007 Was selected at the State Level National Talent Search Examination (NTSE) held on 18th November 2007 and achieved the rank 32 in the order of merit.

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## Technical Skill

Programming Languages	C, C++, JAVA
Engineering Packages	OPENCV, MATLAB, Simulink, NI MultiSim, NI Labview, L <sup>A</sup> T <sub>E</sub> X, Siemens NX
Microcontroller Architecture	INTEL(x86,8051), MSP430, AVR 8
Development Tools	Eclipse, Code Composer Studio, IAR Embedded Workbench, Microsoft Visual Studio 2010
Embedded Linux Platform	BeagleBone Black, Raspberry Pi

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## Communication Skills

- July 2013 Oral Presentation in 2013 PACE Global Annual Forum which held at Art Centre College of Design, Hillside Campus in Pasadena, C.A. USA
- July 2014 Oral Presentation in 2014 PACE Global Annual Forum which held at Politecnico di Torino, Corso Duca Degli Abruzzi campus, Turin, Italy
- 2012 - Regularly updates blog with new learning experience and travel explorations. Blogger Present URL - "<http://analogicalnexus.blogspot.in/>"

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## Extra-Curricular Activities

- July,2013– July,2014 **Executive Committee Member** , *IEEE - SJCE, Mysore.*
- July,2013– July,2014 **Campus Ambassador**, *IBM India University Relations representing SJCE, Mysore.*
- October,2012– December,2012 **Marketing Analyst**, *INGENIOUS 13 TECHNOLOGIES, a start-up venture of 2013 final year engineering students of SJCE.*

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## Languages

- Kannada Mothertongue
- English Proficient in writing and Conversationally fluent
- Hindi Basic words and phrases only

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## Hobbies

- Blogging
- Video Editing
- Reading
- Watching Animated Movies