# Prashanth Swaminathan

## Education

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| Oct 2016–Present | **Master Of Science Informatics**. <br> Technische Universität Muenchen, München |
| July 2009 – May 2013 | **Bachelor of Technology Computer Science**. <br> Amrita Vishwa Vidyapeetham, Coimbatore, India |

## Experience

### Full time

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| Aug 2013–June 2016 | **Senior Software Engineer**, *Robert Bosch*, Bangalore, India. <br> Worked on HMI for Infotainment systems in leading OEMs like Suzuki, VW, Nissan. Was part of the HMI Center of Competance building prototype of future HMI in cars. <br> Detailed achievements: |

- Was part of the team which built the Car Infotainment system in the Bosch Car of the future. It was showcased in CES2015 and CES2016.
- Worked on reducing driver distraction with eye tracking algorithms and haptic touch screens. The haptic implementation also won the "CES 2016 Innovation Award".
- Primarily worked on C++, on top of wayland windowing system, creating a framework for building GUI applications in car Infotainment systems.
- I was awarded the "Young Achiever award" for the year 2014-2015, by the department of Car Multimedia, Robert Bosch India.

### Internships

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| June 2012 | **Intern**, *Paypal India Pvt Ltd*, Chennai. <br> Developed an iOS application for the internal bug tracking system. <br> Worked on Objective-C and Cocoa framework |
| April 2010–July 2010 | **Intern**, *Parihara.com*, Coimbatore. <br> Revamped and developed the front end of Parihara.com. Worked on Magento, an e-commerce framework. |

## Skill Set

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| Languages | C++, Java, PHP, Python, C#, Javascript |
| Frameworks | jQuery, Django,.NET,STL and Boost for C++ |
| Others | GNU/Linux, ARM9, RFID, Arduino |

## Publications

[1]  S. Prashanth Ga Shanmugha Sundaram, Sp Geetha.  Demand responsive public transportation using wireless technologies. *Proceeding ACWR '11 Proceedings of the 1st International Conference on Wireless Technologies for Humanitarian Relief*, pages Pages 449–453, 2011.

## Academic projects

Pragyan   A semantic question answering engine.
- Tech:  Java, Stanford NLP parser, Dataset from DBPedia, RDF, OWL, Jena Framework, Python Django
- Desc:  A question answering engine, that answers 'who, what, when' based questions. This is a new dimension in the field of search engines and information representation

Alpha 17   A First Person Shooter Game.
- Tech: Unity 3D game engine, Javascript, Google SketchUp
- Desc: Developed a first person shooter game in which our college was modelled and the mission for the shooter was to save the college from terrorists.  Used Javascript to write the AI for all the models and the scripts for guns and other game objects.

## Achievements and Awards

- "Overall performance award" 2009-2013, Dept of CS, Amrita University.
- Regional Finalist in the ICPC programming competition 2011 conducted by ACM
- Delivered lecture on 'Demand based public transportation and smarter traffic signals' at the TEDx, Coimbatore
- Presented my paper, and won the first prize in iNSCRIBE 2011, a national paper presentation competition, conducted by Robert Bosch India.

## Other Interests

- Photography
- Cooking
- Motorbike travel
- Carpentry
- DIY,Making things, gardening
- Reading

## Languages

Tamil   Native

English   Expert                                    *Can converse and write fluently*

German   Basic                         *Basic words and simple sentences Level A1.2*