

# Curriculum vitae

## Personal Information

**FIRST NAME / SURNAME** Anuj Deshpande  
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**WEBSITE** [anujdeshpande.com](http://anujdeshpande.com)

**NATIONALITY** Indian  
**DATE OF BIRTH** 21.03.1992

## Work Experience

**DATES** April 2014 – April 2015  
**EMPLOYER** Revealing Hour Creations  
**POSITION** Engineer  
**RESPONSIBILITIES** Crowd funded a BLE development board based on the HM-11 module (cc2541) and the AtMega32u4 module. Was responsible for marketing, manufacturing and some parts of the software development.  
**LINKS** [tah.io/get](http://tah.io/get)

**DATES** May 2014 – July 2014  
**EMPLOYER** 3D Robotics  
**POSITION** Intern  
**RESPONSIBILITIES** Port ardupilot codebase from ST32F series Pixhawk to the Sitara based Beaglebone Black single board computer. Was part of a team of 3 students working on this.  
**LINKS** [Blogs](#)

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- DATES** May 2013 - September 2013  
**EMPLOYER** Beagleboard  
**POSITION** Google Summer of Code Intern  
**RESPONSIBILITIES** Develop user space libraries for embedded Linux platforms to make use of existing Arduino libraries and code  
**LINKS** [beagleboard.org](http://beagleboard.org)  
<https://github.com/prpplague/Userspace-Arduino>
- DATES** May 2012 – June 2013  
**EMPLOYER** IBM  
**POSITION** Campus Ambassador  
**RESPONSIBILITIES** The Campus Ambassador program is designed to have a liaison between IBM and Academia to strengthen the collaboration and evangelize cutting edge technologies
- November 2012 - March 2013  
**DATES** [Oneirix Labs](#)  
**EMPLOYER** Intern  
**POSITION** Design and development of an embedded system for spectral analysis  
**RESPONSIBILITIES** Technologies used include EDA tools, linear algebraic methods with NumPy and a Raspberry Pi board.

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## Education and Training

**DATES** 2010 - 2014  
**QUALIFICATION AWARDED** Bachelors  
**PRINCIPAL STUDIES** Computer Engineering  
**INSTITUTION** Pune Institute of Computer Technology

**DATES** 2008 - 2010  
**QUALIFICATION AWARDED** Higher School Certificate  
**INSTITUTION** Fergusson College

## Awards

- Hitachi Programmer's Marathon  
Stood first in a C/C++ coding competition in which over 8000 students participated
- Finalist at WHO Sanitation Hackathon
- Opus at PICT Impetus and Concepts  
Stood first for the project "Simple hand gesture recognition to control a media player"

## Publications

- Smartphones and off-the-shelf hardware for 3D scanning  
Paper Published in IJSER Volume 4, Issue 12, December 2013 Edition (ISSN 2229-5518)

## Presentations

- "WebGL API to render interactive graphics in HTML5"  
Comparison of various WebGL frameworks on different browsers on some of the commonly used operating systems
- "Hands on with Beaglebone Black and OpenCV"  
Conducted workshop at local hackerspace

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### Presentations

(cont.)

- "[Building Robot Cars](#)"  
Co-conducted a [workshop](#) on building a basic Arduino based rover
- Lightning talk on Beaglebone Black at PyCon India '13.

### Skills and Competences

<b>LANGUAGE SPOKEN</b>	English, Hindi, German
<b>PROGRAMMING LANGUAGES</b>	C, C++, Python, Golang Java, JavaScript GNU Octave
<b>EDA/3D FRAMEWORKS/PLATFORMS</b>	SketchUp, OpenSCAD, KiCad Django, OpenCV, OpenStack, NumPy, WebGL
<b>OPERATING SYSTEMS DATABASE</b>	Linux, Windows, OS X mongoDB, MySQL, Oracle 10g & 11g

### Projects and Reports

<b>TITLE</b>	DroidNet
<b>DESCRIPTION</b>	Cloud framework for robotics and IoT applications
<b>TECHNOLOGIES</b>	OpenStack, Android, Python, Django, mongoDB
<b>TITLE</b>	<a href="#">Userspace Arduino</a>
<b>DESCRIPTION</b>	Arduino environment and libraries for embedded Linux platforms
<b>TECHNOLOGIES</b>	C/C++, Bash

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### Projects and Reports (cont.)

**TITLE** Monthly Report  
**DESCRIPTION** Generating monthly reports of the activities of college staff.  
**TECHNOLOGIES** JSP

**TITLE** Kuz  
**DESCRIPTION** A CRUD application for cattle management in a dairy.  
**TECHNOLOGIES** .NET, MySQL

**TITLE** Graph Digitizer  
**DESCRIPTION** Set of functions to accept digitize a line chart from an image  
**TECHNOLOGIES** GNU Octave

**TITLE** Report on "*Glove based utility for detecting hand movements*"  
**DESCRIPTION** Mapping hand movements to specific functions of a connected computing device

**OTHER PROJECTS** GitHub

**Blog** [anujdeshpande.com/blog](http://anujdeshpande.com/blog)

**Social Networks** LinkedIn  
Twitter  
Meetup

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### Extra Curricular Activities

- PICT Basketball Team  
2010 - 13
- PICT NSS Unit  
2010 - 13
- IEEE and ACM Student member
- Member of PICT Student Council  
2011 - 12