

Anuj Deshpande

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Krushnali Apartments,
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Education

- Pune Institute of Computer Technology** **2010 -2014**
at University of Pune
Bachelor of Engineering in Computer Engineering
First class
- Fergusson College** **2008-2010**
Higher School Certificate
First class with distinction

Fellowships/Internships

- Google Summer of Code '13 at BeagleBoard.org** **May '13- Sept '13**

The objective of the project is to make the Arduino examples and libraries work for embedded Linux devices. So I am writing userspace C/C++ libraries for the Beaglebone Black. This will make starting development with embedded Linux boards a lot easier that it currently is.
github.com/prpplague/Energia/
- Intern at Oneirix Labs, Pune** **Nov '12- March '13**

Design and development of an embedded system for spectral analysis. It involved designing the system using EDA tools, assembling the system, calibration of sensors and programming in Python using linear algebraic methods.
- IBM Campus Ambassador** **May '12- June '13**

The IBM Campus Ambassador program is a voluntary program designed to have a liaison between IBM & Academia to strengthen the collaboration and evangelize cutting edge technologies.

Awards

- Hitachi Programmer's Marathon: 1st Place**
C/C++ coding competition in which more than 8000 students participated.
- Opus at PICT 'Impetus and Concepts': 1st Place**
Simple hand gesture recognition to control media player
- Finalist at **Sanitation Hackathon India** organized by **WHO**.

Programming

Proficient in Python, C, C++, Octave, JavaScript, Java, C#, VB .NET, Shell scripting

- Hardware/Platforms: Embedded Linux (Beagleboard xM, BeagleBone Black, RaspberryPi), Arduino
- Assembly : 8051, x86, ARM
- Database : MySQL, Oracle 9i, Oracle 11g
- OS : GNU/Linux, Windows
- Tools/Libraries : OpenCV, Numpy/Scipy, KiCad(EDA), WebGL,

Projects

Some of the projects that I have done are as follows:

- A seminar on “WebGL API to render interactive graphics in HTML5”
Presented a seminar comparing different WebGL frameworks and their performance on different browsers on various platforms like Android, Windows, Linux.
- Kuz: Cattle management software
Kuz is an application software written in VB.NET. It was a semester long project for the course Database Management Systems. It was developed by taking into consideration the actual requirements of an existing dairy.
github.com/anujdeshpande/kuz
- A study on “Glove based utility for detecting hand movements”
A glove, with an ARM7 processor as the SOC, which can accurately detect the movements of the hand which can be then mapped to specific functions of a connected PC or mobile device.
- Simple Hand-Gesture Recognition using Color Detection
Winner of Opus '11, an inter-collegiate project competition.
github.com/anujdeshpande/hand-gesture-recognition
- Monthly Report System
An intra-university Web Application to collect data about various activities and achievements of students and staff.

Memberships/Affiliations

- National Service Scheme
- College Basketball team
- College Student Council
- IEEE and ACM student member