Anuj Deshpande

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Krushnali Apartments,
S.B. Road, Pune, IN

Education

- Pune Institute of Computer Technology   2010 -2014
  at University of Pune
  Bachelors in Computer Engineering

- Fergusson College   2008-2010
  Higher School Certificate

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 than it currently is.
  http://github.com/prpplague/Userspace-Arduino

- Intern at Oneirix Labs   Nov '12 – Mar '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.

- Intern at Mquotient   May '13 – July '13

  Worked on statistical computing methods to compare and classify features in offline signatures. Python and OpenCV used.

- 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++, Shell Scripting, Octave, JavaScript, Java, C#, VB .NET

- Hardware/Platforms: Embedded Linux (Beagleboard xM, BeagleBone Black,
  RaspberryPi), Arduino
- Assembly   : 8051, x86, ARM
- 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.
  Slides

- 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 then be 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.
  http://github.com/anujdeshpande/hand-gesture-recognition

  A more comprehensive list is present at http://github.com/anujdeshpande

Memberships/Affiliations

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