Anuj Deshpande

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Krushnali Apartments,
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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 we are creating userspace C/C++ libraries for the Beaglebone Black. This will make starting development with embedded Linux boards a lot easier than it currently is.

- Intern at Mquotient   May '13 – July '13

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

- 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.

- 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, Shell Scripting, C, C++, 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, WebGL

Presentations/Workshops

- A seminar on "WebGL API to render interactive graphics in HTML5"
  Presented a seminar comparing WebGL frameworks and their performance on
  different browsers on various platforms like Android, Windows, Linux.
  Slides

- Hands on with Beagle Bone Black + Python + OpenCV
  Conducted a workshop on basic electronics using Python and image processing on the
  embedded Linux platforms using OpenCV
  Meetup Page
  Git Repo
- Lightning talk on BeagleBone Black and Python at PyCon India '13

Projects

- A study project 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.

- Hand-Gesture Recognition using Colored Band Detection
      Winner of Opus '11, an inter-collegiate project competition.
      Was able to successfully control a media player using simple hand gestures.
      http://github.com/anujdeshpande/hand-gesture-recognition

Memberships/Affiliations

- National Service Scheme
- Active member of local hackerspace
- College Basketball team, High School Volleyball team
- College Student Council
- IEEE and ACM student member