Himanshi Bhardwaj

Email id: Himanshi.Bhardwaj@outlook.com

CAREER OBJECTIVE

To be a part of an organization that provides me with an exposure to enhance my analytical, technical as well as managerial skills; to explore new horizons in technical advancements in Computer Science and thus help me build a professionally challenging career.

EDUCATION

Masters of Science in Computer Science Northeastern University	Jan 2015 - May 2017
Bachelor of Technology in Electronics and Communication Ambedkar Institute of Advanced Communication Technologies and Research, India	Sept 2009 - May 2013

TECHNICAL SKILL SET

Programming Languages	C, C#, Visual Basic, Windows Phone App Development with XAML
Utilities	Microsoft Office(Word, Power Point, Excel)
Operating Systems	Microsoft Windows(7 and 8), Fedora

JOB EXPERIENCE
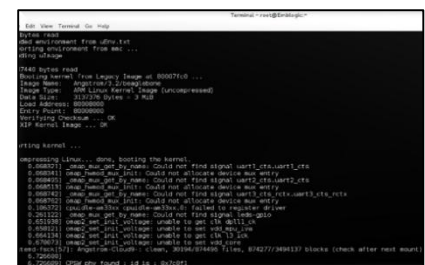
Employer: **Samsung Research and Development Institute**, Noida (SRI-N), India
Title: Software Engineer
Duration of Employment: June 2013 – Dec 2014
Nature of work: Worked on Samsung applications for upgrade from Android 4.3 to Android 4.4.2(KitKat) Version for North America region Samsung Mobile devices.

CERTIFICATIONS

- Microsoft Certification: Programming in HTML5 with JavaScript and CSS3
- Microsoft Certification: Programming in C#
- Microsoft Certification: Essentials in Developing Windows Store Apps using HTML5 and JavaScript
- Microsoft Certification: Advanced Windows Store App Development using HTML5 and JavaScript

INTERNSHIPS

June 2011 – July 2011:   Worked as a research Intern at Institute of Nuclear Medicine and Allied Science(INMAS), Defense Research & Development Organization (DRDO), India to develop a project to process brain images of medical patients taken using SPECT (Single photon emission computed tomography)

June 2012 – July 2012:   Worked as a signal processing Intern at Institute of System Studies & analyses (ISSA), Defense Research & Development Organization (DRDO), India.

July 2012 – Sept 2012:   Completed Summer Internship at EmbLogic Embedded Technologies, India on "Embedded Linux with ARM".
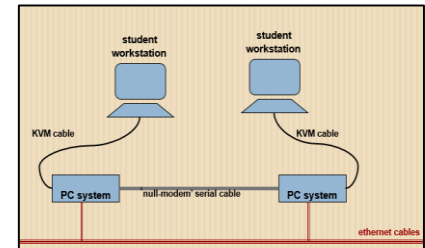
*POR*TING AND CONFIGURING LINUX ON ARM CORTEX-A8
(Academics major project)

It's my final year major project. I have ported Linux kernel on ARM Cortex-A8 board. A BeagleBone development board was used. Development process included Building of a cross-compiler Toolchain, configuring of U-Boot and kernel compilation for omap2plus config to obtain uImage. Ext3 root file system is used. Finally SDCard is brought up by copying u-boot and uimage in FAT and file system in ext3 partition.
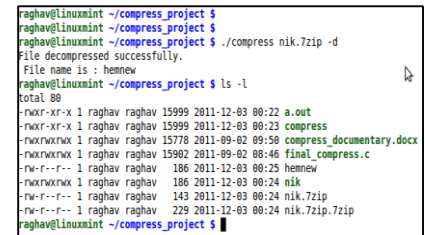

SAMUDRA-AUV

Worked in a team on an Autonomous Underwater Vehicle which travels underwater. This project was ranked third in the finals of "National Student Competition on Student Autonomous underwater Vehicle (SAVe 2012)" by National Institute of Ocean Technology (NIOT), Chennai, India.

SERIAL PORT DEVICE DRIVER FOR PC16550D WITH FIFO
(Academics minor project)

In this project, I have developed a device driver for serial communication. It transfers data, one byte at a burst, between any two devices connected using PC-16550D, enabling FIFO control register under Linux. Its code is written in C language at hardware level where standard libraries of C cannot be used.

MULTIPLE DATA COMPRESSION & ENCRYPTION
(Using iterative method)

It's a C project that can compress a text file into smaller size and it also encrypts the data that can be used in various domains for secured Communications. Whole code is written in C language (GNU standard) using GCC complier in Linux environment. Using the concept of multiple compression, the project compresses a file upon many levels, further increasing the level of encryption.
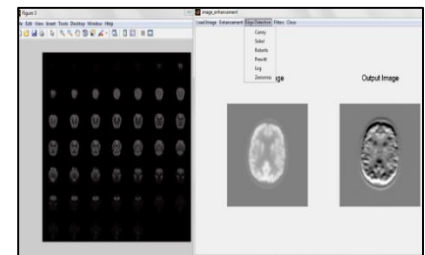

IMAGE ENHANCEMENT AND COMPRESSION

It's a project made using MATLAB which enhances and compresses images. It does Image Acquisition, pre-processing and Compression. This project was created during Summer Internship at INMAS(DRDO) to process Brain Images taken using SPECT (Single photon emission computed tomography).It makes use of Wavelet transform, producing as many coefficient as there are pixels in the image, and then finally compressing them.

OTHERS:
Created various applications for BlackBerry OS 10 (30+ apps), Windows Phone (10 apps), Windows 8 (1 app) and Nokia S40 (6 apps) platforms.

MENTORING EXPERIENCE

- Taken sessions for 48 students of my college on Linux C.(September,2012)
- Mentored students of IIT Delhi, India at "code.fun.do", a 2 day windows phone apps Workshop+Appathon organized by Microsoft.(February,2013)
- Taken various workshops for students at various colleges on windows phone app development

ACHIEVEMENTS & EXTRA CO-CURRICULAR ACTIVITIES

- Have been a Microsoft Student Partner for two years (2011-2013).
- Have created 30+ Blackberry phone applications, 9 Windows Phone applications, 1 Windows 8 PC application and 6 Nokia S40 applications and uploaded them on their respective app stores.
- Actively participated in many application development competitions including Microsoft's I Unlock Joy, Blackberry 10 app challenge, Blackberry 10 port-a-thon, Nokia Asha Hack-a-thon etc.
- Won HTC surround Windows Phone, Blackberry Z10 phone, Blackberry Torch Phone, Blackberry Playbook, Nokia Asha 310 phone in the above mentioned development competitions.
- Was invited to attend Microsoft Boot Camps for two consecutive years 2012 & 2013 at Bangalore and Dehradun, India respectively.
- Editor of college's yearly Magazine "Paripath".
- Won first prize in "Group Discussion" competition at college.
- Won the "English Symposium" organized at college twice.
- Won first prize in C/C++ quiz at college fest.
- Won six gold medals and one silver medal in yearly college sports meet, KHEL 2013.
- Have organized various "Dreamspark Yatra's" (A Microsoft Initiative) in Delhi.
- Won First prizes at zonal level in Basket Ball and Hockey during High School.

I'll be pleased to provide any extra information needed, including academic and personal details.

HIMANSHI BHARDWAJ