SAHIBI MIRANSHAH

3603 Helix Court, Apartment 302, Raleigh, NC-27606

919-986-1240   smirans@ncsu.edu

EDUCATION

North Carolina State University, Raleigh, NC   GPA 4.0/4.0
Master of Science in Computer Science   Expected Graduation: May, 2016

Dr. B R Ambedkar National Institute of Technology, Jalandhar, India   GPA 8.2/10
Bachelor of Technology in Computer Science and Engineering   May 2014

RELEVANT COURSEWORK

Operating Systems, Design and Analysis of Algorithms, Database Management Systems, Object Oriented Programming, Computer Networks, Theory of Computation, Compiler Construction, Software Engineering, Computational Applied Logic, Advanced Data Structures

TECHNICAL SKILLS

Languages   Java, C, C++
Web Technologies   HTML, CSS, JavaScript
Platforms   Windows, Linux
Tools   LaTex, Eclipse IDE, MS Office, Cisco Packet Tracer, NetBeans IDE, GitHub
Certification   Certificate Program on Managing Interconnected Network Devices, by NIIT, India

INTERNSHIP EXPERIENCE

Programming Intern, Oil and Natural Gas Corporation Limited, Dehradun, India   Summer 2013
- Designed and developed a network application using the client-server architecture and TCP Protocol.
- Programmed using C programming language and Bash script on a Linux platform.
- Installed a feature enabling any number of clients to connect to and communicate with the server.
- Configured the application to run automatically as a service on the start-up of the system.

RELEVANT PROJECTS

Compiler Construction
Tool: Javacc, Java, jasmin
- Constructed a parser for Decaf grammar, created abstract syntax tree, symbol table for a Decaf program.
- Enabled the compiler to generate code for the program.

Phone-Ally : Tracking of Lost Android Device
Tool: Eclipse, Android Development Tools
- Designed and developed an Android application to track a lost android device via messages and GPS location.
- Modeled and implemented features to change ringer mode to silent or vibrate and vice versa via messages.
- Implemented the feature to capture an image using front camera on command via message.

Program Simulating a Bank's Requirements
Tool: Java
- Developed a program to illustrate the working of various bank account types.
- Created various methods/modules to illustrate the behavior of savings, current and fixed deposit accounts.
- Enabled the user to communicate via command prompt to check account balance and complete transactions.

Network Design
Tool: Cisco Packet Tracer
- Developed networks based on various routing protocols RIP, OSPF, IGRP.
- Designed and implemented networks for PPPoE, Web Server.

COMMUNITY INVOLVEMENT

Member(teacher) at 'Prayas', a non-profit organization in Jalandhar, India, to provide free primary education.