**Deep Shree**

**Phone:** 647-667-6851

**Email:** [shreedeep1993@gmail.com](mailto:shreedeep1993@gmail.com)

**Github (dShree), Google+, Asterisk Forum (deepshree);** Portfolio website: deepshree.me

**TECHNICAL SKILLS**

* **Programming languages:** C, **Java**, processing, Scheme, **Bash Scripting**, **C++**, **SQL**,ObjectC, php, **HTML, Ajax, Java Script, CSS**, Android Programming (Java Based), Paradigm Programming, **Query database Language**, **Perl scripting**, Ruby
* **Operating Systems/Platforms:** Windows, UNIX, LINUX (Ubuntu), iOS,
* **Database:** MySQL​- IBM DB2, SQL lite, Oracle Database, JDBC
* **Software**:​Microsoft Office, Adobe, Team viewer, Eclipse, JBuilder, BlueJ, DevC,JCreator, Pro, Notepad++, Dr racket, Oracle VirtuaBox , Linux(C and C++), sqllite , Android Studio, Xcode, **TIBCO**
* **Terminal commands**:​Mac, **Linux terminal commands** and window
* **Design**:​Microsoft Visio, **UML diagram**, Sequence diagrams of networks, **E-R diagram for database.** **IOS Networking**: Computer network (TCP, IP), Packet network, LAN, WAN, TCP/IP, HTTP, **Client - Server, SIP Protocols**, VOIP, OSI models (Routers), Jenkins
* **Hardware**: Raspberry pi, FreePBX and **Servers**: Tomcats servers (servlets)

**WORK EXPERIENCE**

**Software Analyst**

**Bank of Montreal - Tata Consultancy Services, July 2016 – Present (Toronto, ON)**

Currently part of the BMO Collections 360 project as an Analyst. The project is at analysis and design phase.

* Creating In-Scope and Out-of-Scope documents for impacted retailed and commercial banking applications (MDIF, CCDM, APMS, InfoPac, CIF, eCIF system) to do QA estimates.
* Designing functional and integrated test plan/test strategy for Mortgages, Customer information, credit card system.
* Analyzing the Business requirement and constructing into test scenarios to test risk rating for US/Canada commercial accounts in CCDM (default accounts management system)
* Using HP ALM for integrating existing and new test cases. Execution some test cases by using UFT took and Java based selenium

**PROJECTS**

**Fast Track Policy & Claim Services Web Application**

**Tata Consultancy Services August 3, 2016 – August 12, 2016**

* The purpose of this project is to fully design detailed functional requirement that will enable development of an Insurance system.
* Designed a web UI based registration application for managers, agents and customers for a insurance company
* A JDBC (oracle database) program was written to store new CRUD information or to manipulate existing information. Used by JQuery
* Apache Tomcat server was used to serve web services from a given port.
* The backend of the application was purely programmed in Java and frontend was programmed in HTML, CSS, JavaScript, Ajax … etc., and other web services tools like servlets.

**Final Year – Honour Project - VoIP Phone Call Recording using Asterisk Server**

**September 2015 – April 2016**

* Converted Raspberry Pi 2 device into Asterisk Server (Ubuntu OS) to run VOIP calling feature and later installed my call recording application.
* The purpose of this project was to implement a communication service that allows two users to communicate over IP and to record to phone calls whenever they wish to.
* The recording application was programmed in python and shell scripting was written to connect the application to the server.
* Created protocols using Perl scripting to register the SIP protocol onto the client site to register a profile on the server and then developed couple scripts where user can press #7 from the keypad to start the recording anything during the call. Python language to develop the calling feature on IP by using pycall library.
* Created a logical python code recording application.

**File Transfer (Client and Server programming) Application**

**September 2014 – December 2014**

* The project was done with socket programming in Java on a Linux system.
* Designed project for file transfer from one server computer to client computer
* Designed API to enable communication between a client and server process.
* Crafted a frontend for the application using Java IDE framework.
* Transformed the computer application into IOS app. Worked on the part to develop the network for application to connection either via Bluetooth or Wi-Fi. The language used to design the app was Objected C for IOS platform.

**Library System Program**

**January 2015 – April 2015**

* Programmed in C++ on Linux/UNIX systems
* Designed object-oriented program with UI and control objects entity on Linux and UNIX mainframe
* Allows user to add or removes books from personalized student library profile and using HashMap to store checkout/checkedIn books in the system. Worked on the back end to create the logic designing the Library system in façade style.

**EDUCATION**

**Carleton University Ottawa, Ontario, Canada**

**Bachelor of Computer Science – Honours (Graduated) September 2011- April 2016**

**Relevant Bachelor Courses:**

Java, Program Paradigm, Racket Programming, Processing Programming, Database, Unix System Programming, Networking (IP Address, TCP, UDP), SIP protocols, VoIP, Routers, Algorithms, Software Engineering, C++, C, Data Structure, Fundamental of Web Application, Servlets

**VOLUNTEER ACTIVITIES**

**GoIT – Student Technology Awareness Program NPO\_Tata Consultancy Services**

* As a Program Lead
  + Proving leadership to STEM education and career issues by working with organization such as the NPower, Toronto District School Board
  + We work with TDSB to implement the innovative program for young people to learn about computer programming, coding and robotics. Teaching grades 8 or under about robotics programming and future in Computer Science