**BHARGAV LAKKUR KUSHA KUMAR**

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AVAILABLE: **August 2016**

**EDUCATION**

**Sacred Heart University,** Fairfield, CT April 2016

Catholic College GPA: 3.99/4.0

*Master of Science in Computer Science – Information Technology*

Related Courses: Advanced Database Design (Oracle SQL), Intro to programming using scripting (Python), Intro to Object Oriented Programming (Java), Data Structures and Algorithms (C++), Advanced Computer Gaming (C#), Digital Forensics (FTK Imager), Flash Animation, Web Design using JavaScript, and Networking Apps

**Govt. SKSJTI, Vishveshwaraya Technological University,** Bangalore, India June 2013

*Bachelor of Engineering in Electronics and Communication*  GPA: 3.05/4.0

Related Courses: C++ Programming, Analog Communications, Digital Communications, Power Electronics, FPGA, VLSI, and Digital Signal Processing

**TECHNICAL KNOWLEDGE**

**Programming**: C, C++, C#, Objective C, Java, VB.Net, asp.NET MVC, Python, Spring Framework, Spring Boot, JPA, Hibernate, Java2EE and Assembly Language

**Scripting:** ActionScript, and Shell Scripting

**Web Design:** HTML, HTML5, CSS, LESS, JavaScript, JQuery, Bootstrap, AJAX, JDBC, JSON, XML, PHP, JSP, Servlets, AngularJS, Freemarker, Thymeleaf, Tomcat, Spark, Maven, and RESTful Web Services

**Tools & Practices:** Adobe Flash, Linux (Terminal), XCode, Linux Administration, Android Studio, Eclipse, NetBeans, ItelliJ, Visual Studio, LabView, FTK Imager, Unity, WinHex, Git, SDLC (Agile), and Raspberry Pi

**Databases:** MySql, Microsoft SQL Server, Oracle SQL, and MongoDB (No SQL DB)

**Certifications:** Bootstrap - Coursera (February 2016), and Python – Edx (March 2016)

**WORK EXPERIENCE**

**Software Developer | A N D Technologies Pvt. Ltd.** July 2013 - November 2014

**Worked as an application developer:**

* Developed applications for A N D Tech using Java and maintain the existing applications.
* Part of a team, developing web application using JSP and Servlets.
* Application testing for bugs and logic errors.
* Worked on “**Faster Detection of Cardiac Arrhythmia for Remote Patients**” for **INTEL Corp.**

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**Projects**

**JavaScript Library for Flash Animation (**[**http://32.208.119.70/flashAnimation**](http://32.208.119.70/flashAnimation)**)** July 2016

* This solves the problem of playing flash animations on mobile device.
* Different settings like, speed of the animation, reverse speed, etc. could be applied.
* Tech Used: JavaScript, Adobe Flash, Ajax, PHP, Bootstrap, and MySql.

**Home Automation (IoT –** [**http://32.208.119.70:9898/**](http://32.208.119.70:9898/)**)** May 2016

* Convenient way to control the lights at home with a web interface in than 30 seconds.
* Tech. Used: Spring Boot, Hibernate, AJAX, JavaScript, Bootstrap, HTML, Pi4Led, Java2EE, and Mysql

**Instant Messaging Application (Babble on –** [**www.babbleon-now.com**](http://www.babbleon-now.com)**)** April 2016

* Unique emotional intelligence, which gives affirmative meaning to each message using colors.
* Doodles (hand written content), File Sharing (different formats and sizes), and multiplatform among other features.
* Tech Used: JavaFX, Java, MySql, PHP, Bootstrap, HTML, CSS, AngularJS, & Linux (Rpi).

**Weather Application (Pebble Smartwatch)**  January 2016

* Reduces the time to check the weather by 75%, by giving comprehensive data about the location.
* Tech Used: JSON, JavaScript, and AJAX.

**To-Do List Website (**[**www.thetodolists.com**](http://www.thetodolists.com)**)** November 2015

* Dynamic Java web application to create and manage categories and checklists (tasks in it) itself.
* Tech Used: Flash, JavaScript, Bootstrap, Spring, Hibernate, Java2EE, AngularJS, and MySql.

**Little Katie** November 2015

* Game designed as part of Advanced Game Design course using Unity 3D and Assets from asset store.
* This game comprises of different challenges and requires the player to collect certain number of coins to win the game.
* Tech Used: C# and JavaScript

**Ticket Management Application** October 2015

* Designed to make the work easier to buy, verify and manage tickets for the events.
* Tech Used: Java and MySql.

**iPhone Timer Application** December 2014

* Created an iOs 7-based Timer application based on Objective C.
* Tech Used: Objective C on XCode.

**Sign Up Page for Client Website (A N D Technologies Pvt. Ltd.)** July 2014

* Entrusted to design and develop interactive registration page as per client requirements.
* Tech Used: JSP, Ajax, XML, and RESTful Web Services.

**Artificial Intelligence – Electrocardiogram (A N D Technologies Pvt. Ltd.)** November 2013

* Worked with a team of five on designing and developing a prototype for Intel Corporation (Client).
* My work was mainly with creating a database and interfacing it with LabView.
* Technologies Used: National Instruments LabView, MS SQL Server.

**Intruder Detection and Reporting System** September 2013

* Using Raspberry Pi, PIR sensor, Python, and Pi camera, I created a simple application for securing my home, when I was away.

**LabView Controlled Thermal Kiln** March 2013

* Designed and assembled a thermal kiln that using LabView (Graphical Programming used at industries to automate large machines) made completely automated.
* Manual work and the errors prone with it are gone.