

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, IntelliJ, 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.**

Projects

JavaScript Library for Flash Animation (<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/>)

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)

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)

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.