NAGENDRA BALACHANDRA

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**OBJECTIVE**

Actively looking for a summer opportunity where all my academic skills could be utilized to the best extent in the field of Computer Science

**SUMMARY**

* Strong Analytic and Debugging skills gained through industrial work experience at ***hp*** (Hewlett Packard) India
* Good Programming Skills:- (**JAVA, C++, C**, APL Arduino programming language)
* Good Android Mobile App Development Skills(Using MIT App inventor, **NET beans**, Xamarin Studio, Android Studio)
* Good Web Design and Development Skills(CSS, **ASP.net**, xml, **HTML5**, JAVA SCRIPTS, Jquery)
* Good Windows App Development Skills(Creating and designing Front End, **Visual Studio**)

**EDUCATION**

**Master of Science, Computer Science •** San Diego State University **• GPA: 3.9/4.0** **Expected Graduation May 2016**

**Bachelor of Engineering, Computer Science •** VTU, Bangalore, India **• 76%**  **Graduation May 2013**

**RELATED COURSES:**

* **Geographical information processing** : Programming with **Java and Map objects ( MOJO)**
* **Formal Language and Automata Theory**: **Finite state machine** and Grammars and event handling and Turing machine.
* **Advance Programming Language: PROLOG, Python,** SR**, C++** and Advance Programming Techniques.
* **Compiler Design**: Lexical Analysis, Parsers, Memory Management.
* **Web Programming and Lab**: Advanced web development technique at both front and back end.
* **Operating Systems:** Shell Designing, Event, Interrupts & Exception Handling.
* **Computer Graphics:** Computer Graphic using **OpenGL** and OpenGL Lab work.

**SKILLS:**

**Programming Languages**: **C, C++,** **Java**, APL Arduino programming language, **HTML** 5,JQuery, Angular Js, Python, ASP.Net, Basic C#.

**Operating Systems: Windows, Linux (Ubuntu).**

**Packages: Visual Studio,** **ITIM** (IBM Database management tool), **Citrix** Server Management, **Eclipse** , XAMARIN Studio, ESL( Server management tool), Arduino Package( Hardware side programming) , Adobe Dreamweaver (Web dev ) , HPSM ( Hewlett Packard Server Management) ,**NET** **beans**( With Java and Html 5,CSS),Android Studio, SDK’s Android development kit with Eclipse.

**WORK EXPERIENCE:** **September 2013 –May 2014**

**Technical Solution Engineer**: ***HP*** (Hewlett Packard) Bangalore, India

* Responsibilities included:-Working on backend server to check the status and maintenance of the servers, managing Data base and error logs of critical systems across Global ***hp***Clientele.

**PROJECTS:**

**SATELLITE INFORMATION WITH MOJO:** Themain purpose of the project is to capture the information of all major satellites across various countries and mapping it on the Globe Geographically Using Map Objects (MOJO), a Product of ESRI (Environmental Sciences Research Institute). The core of this project involves programming in JAVA and embedding the database which contains the geographical information (latitude and longitude).

**SMART CITY PRO:** Emulation of a metropolitan city where all the emergency and necessary support system such as medical, electricity, rail, road transport and security are controlled in a centralized software system. The centralized software system includes a widely distributed sensor based network, hardware switches and controllers build around a server based software mechanism. The hardware controls were designed on an Arduino processor using the Arduino programming Language. The software programming was done using multiple platforms across **JAVA, C#** and ASP.net.

**SIMULATION OF LIVE MUSIC CONCERT STAGE:** Project represents simulation of live music stage with augmented reality where the user can record the song and can play it on stage with few animations and few other recording options. This project was done using **OpenAL** and **OpenGL** which is used for audio and video interfacing.

**ACCOMPLISHMENTS:**

* Awarded the **“Best Employee of the Month** “in ***hp*** for outstanding contribution and innovation in server management and ticket tool processing.
* Awarded the **best innovative engineering** project for **"SMART CITY PRO”** in an interuniversity level engineering project symposium.
* Awarded the best outgoing undergraduate student at college level for securing distinction percentage in all semesters.