

## Dheeraj Joshi

### Current Address

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### Permanent Address

4 Purohit Wari Bedla  
Udaipur, Rajasthan,313001  
(91)9414159171

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**OBJECTIVE** Interested in learning and implementing the Open Source Technologies to solve the real world problems.

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### SUMMARY OF QUALIFICATIONS

- Research Internship at IIIT-Delhi & MLSU-Udaipur.
- Work Experience in Startup-Medibeeep.
- Pursuing B.Tech, Computer Science, VIT University.
- Excellent communicator who relates well with end-users of all skill levels
- Thrive in environments that value teamwork and innovation

### TECHNICAL SKILLS

|   |  |
|---|--|
| <b>Operating System</b>                     | Linux :RHEL 5.5 SERVER ,Fedora 16, Ubuntu 12.04            |
| <b>Programming Languages / Technologies</b> | C, C++, PHP,HTML 5,CSS,Javascript,AJAX,VB.NET, Java(basic) |
| <b>Database</b>                             | Oracle(with PL/SQL), MYSQL,Ms Access                       |
| <b>Tools &amp; Utilities</b>                | Eclipse, Microsoft Visual Studio 2010                      |

### RELATED EXPERIENCE:

#### Internship at IIIT-Delhi : SMART ROOM PROJECT

*May-July 2012*

- We have developed a prototype system for monitoring several parameters inside a room e.g. motion detection, temperature, current, voltage etc.
- Worked as a Software Intern and my role was to enhance the server side code of the Project using Java-Play Framework. I Created a Responsive Application through which they can monitor the room parameters. The Application allows add/edit Actuators, Sensors & its Channels details in a very interactive way. The main task was the Visualization Module which required more brainstorming and sensitive data manipulation. Real Time Visualization using various **HighChart Libraries**, **CMU Sphinx** - Speech Recognition feature was added to provide facility to give Voice commands that allow you to control open/shut doors, windows, temperature etc. from a central control room.

- Moreover I worked on **Modularization** of the code and to implement various Client process on the server side to decrease the Time Lag which occurs on request of huge data. At the last phase of development Testing of the Application was done using **SELENIUM and JUnit**.
- **Tools/Technologies** : Play Framework(Java-MVC), CMU-Sphinx, HTML5, Google APIs , HighCharts Library ,jQuery

#### **Worked in a Startup: Medibeeep - a social venture**

*Nov-Dec 2012*

- MediBeep is a simple idea of providing SMS based reminders to parents about their child's vaccination dates. The service is very simple to use, anyone who has a mobile can use it, is predominantly
- I have developed the Registration System which basically has two modules :Email & Sms. User has provide their child's Date of Birth along with email or/and mobile number. A Confirmation mail and sms would be sent to the user. After confirmation the Service would be activated.  
An automated sms sending system has been developed by us which will send automated email and sms regarding the vaccination Alerts.
- **Tools/Technologies**: WordPress(Content Management System),Html,Css,Javascript,PHP and MySql

#### **VIT UNIVERSITY RESEARCH PORTAL**

*feb-april 2012*

- 'VIT Research Portal' not for entertainment but purely for knowledge and information sharing between all those who are engaged in the process of high-level research in the University. Using the portal the 'Research Committee' and the 'Guides' can monitor the progress of each 'Research Scholar' in his/her research area, generate performance reports etc. The research scholars can in-turn upload their research details be it daily research activities, research plans, journals published, conferences attended, courses enrolled for /completed etc. Communication between guides and research scholars takes place in the form of in-bound messaging system, profile views etc.
- I created an Automated Report Generation tool which is based on Data Analytics and used to generate all types of Reports according to the need with proper filters and the necessary fields. It can be used to export the report into PDF and Excel Format.  
I created all the necessary user-friendly web forms with smart validation which takes the input from user and processed later.
- **Tools/Technologies**: PHP 5/MySql, HTML, Javascript, AJAX, JQuery, fpdf(PDF Generator).

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### **OTHER TECHNICAL PROJECTS**

- Case Study of Campus LAN
- Websites for various International Conferences.
- Various Software Application including Online Examination Systems.

### **EDUCATION**

**Vellore Institute of Technology**, Vellore, India, 2010 – 2014  
B.Tech (Computer Science): III year  
CGPA : 8.62/10

### **FIELD OF INTEREST:**

My research interest lies in the field of internet and web programming, databases and cloud computing. Recently I have been involved in the use of these technologies to offer online learning environments And exploring ways of improving the quality of experiences these environments have to Offer.

### **EXTRA CURRICULAR ACTIVITIES**

- Technical Director at Computer Society of India, VIT Student Chapter.
- “Guide-Me” Hack shortlisted at Yahoo OpenHack5 Event.
- Got III position in Cryptography event at College Fest.
- Attended workshop on Android, Adobe Flex.
- Got selected at CBSE Regional Level Science Exhibition for the MMPS OES Project