14th Main,
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SHASHANK KUMAR

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EMPLOYMENT

Technical Associate | **Abyeti Technologies** | **September 2012 - Present**

Kalido Data Warehouse

- Involved in product development, technologies used: C# (.Net 4, NUnit, WPF), Java, C++
- Go-to person for internal automated test framework called Kalido Auto Tests (KATS) related issues, technologies involved: C# (.Net 4), Python 3.4, REST, VMWare vDirector
- Member of winning team in internal global hackathon. I implemented click stream tracking on browser based product and its analysis. Other features were to hook web based product with a Bulletin board which would act like customer knowledge base. Technologies I used: Javascript, Python, Java
- As a side project, led the development of Android app which will bring Inbox (a feature of Kalido's browser based product) to user's phone/tablet
- Use Continuous integration(Cruise Control), Code review(Fish eye + Crucible), Test Driven Development for C# code, Jira, Perforce

Visionael's Network Resource Management

- Involved in feature development right form requirement gathering to deployment, delivered on 5 patches and 1 release.
- Various technologies are used but most of the work is in: C++, Java.
- Follow Scrum (Agile) software development framework.

Software Developer | **Benovellient Technologies** | **March 2012 – August 2012**

- Developed a desktop application of optimizing Windows (XP and 7) performance.
- Technology used: C# .Net

OTHER PROJECTS

Recent side projects

- Earned **100%** in **Machine Learning** course on Coursera.org
- **Developed algorithm to generate new song from given set of songs using supervised machine learning**
  (a) Theory: https://github.com/shanxS/song-generator/blob/master/generateNewSongFromGivenSongs.pdf
  (b) Code: https://github.com/shanxS/song-generator
- Made Video player on Android which plays video from sd card
  (a) Platform: Java, Android SDK
  (b) Code: https://bitbucket.org/hifiloop/android-video-player/branches

Older side projects

- **Open Source Digital DJ - Mixxx :**
  (a) Contributed to this project for about 2 years and implemented various things
  (b) code and blog: http://goo.gl/W0lgb blog: http://trystwithdsp.wordpress.com/mixxx/
- **Voice Activity Detection:**
  (a) idea: worked as a freelance developer to develop Voice Activity Detection for a client in UK
  (b) code: By mutual consent of my client and me, it was decided that code/algo/simulations, all belong to my client.
- **SISO test bed:**
  (a) idea: Implementing SISO communication channel using TMS320C5416 DSPs and CC2500 EMK transceivers (part of **Indian Space Research Organization** funded project)
  (b) code: https://launchpad.net/siso
- **Experiments with Digital Filter Design**
  (a) idea: Developing a new way to design digital filters 'visually'
  (b) code and blog : https://launchpad.net/reallization blog: http://trystwithdsp.wordpress.com/reallization/
- Earned **92.8%** in **Digital Signal Processing** course on Coursera.org
- **Compiled a Linux OS from scratch:** Made a Linux based OS from scratch (LFS: http://www.linuxfromscratch.org/lfs/).

NOIDA, IN | **Jaypee Institute of Information Technology** | **August 2008 – May 2012**

- Engineering (B.Tech) in Electronics and Communication, August 2008.

Languages and Technologies

- Worked on Java(Spring, iBatis), C#(NUnit, WPF, VS2010) .Net, Python, Android, Javascript, C++ , Matlab /Octave
- Databases used: MS SQL(2010, 2012), Oracle (11g, 12c), Teradata (13.10), SQLite (3.8.9)