Roshan Balaji Nindrai SenthilNathan

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OBJECTIVE

To obtain a competitive position that would test my skills and understanding of present technology.

EDUCATION

Masters in Computer Science — GPA 3.50/4.00   *Expected August 2013*
Rochester Institute of Technology, Rochester, NY

B.Tech in Information Technology — GPA 3.40/4.00   *March 2011*
Anna University, Chennai, Indias

CAREER PROJECTS

Random Forest - Parallel Implementation, *Machine Learning*   *Febuary 2013*
- Parallel Implementation both SMP and cluster implementation of random forest, a machine learning algorithm using PJ library(custom library similar to open MPI).
- *Tools :* Java, Custom Parallel Java Library.
- *GitHub Project Link :* https://github.com/RoshanNindrai/Parallel-Random-Forest

Smart Jobs Ios Application, *A ready to deploy job search Application*   *March 2013*
- Application aids applicants to identify their potential Employers during a job-fair event based on matching skill sets.
- *Tools :* Objective - C, ECSlidingViewController, php (for web servers), Mysql, ASP.Net.
- *GitHub Project Link :* https://github.com/RoshanNindrai/Job-Fair

Simulation of BitTorrent-like system, *To measure average download time*   *November 2012*
- To Support our hypothesis on average download time $O(\log N)$ of a file that is propagating in a Bit -Torrent like network with certain filters and assumptions.
- *Tools :* Java, RMI in Java, Custom Graphics library, Shell Scripting.
- *GitHub Project Link :* https://github.com/RoshanNindrai/Bit-Torrent-Simulation

Secure Web Application, *focusses on the security aspect of web application*   *January 2013*
- Application Simulates the MI6 webpage where Agents are scheduled with job. The entire application was migrated to Azure cloud service with single instance of WebServer and Database server.
- *Tools :* C#, Sql Server 2008 R2, ASP.Net, Apache Log4Net, Xamp for local server.
- *GitHub Project Link :* https://github.com/RoshanNindrai/Mi6-ASP.net

Additional Projects at : https://github.com/RoshanNindrai

SELECTED PUBLICATIONS

Paul Jeba Singh, Roshan Balaji. "**Remote Switching on/off of automobile AC**," in *Proceedings of WASET Conference Paris, France. Issue 67, pg526-529.* July 2010.

SKILLS

Programming: Java, HTML, bash, LaTeX, Visual Basic, SQL, XML,Objective - C, C++, C, ASP.Net, C#

Operating Systems: Windows, Mac OS X, Linux, UNIX

Developer Tools : Rational Rose, Xcode, Visual basic 6, Eclipse, Weka, Code Blocks, Mysql, Sql server 2008 R2, Visual studio 2010.

LEADERSHIP ACTIVITIES

Co-founder, President, R.M.K Engineering College. I.T Tech Club   *Summer 2011*
Mentor, Undergraduate student R.M.K Engineering College   *Summer 2011*

AWARDS AND HONORS

Graduate Scholarship, Rochester institute of technology   *2011 - 2013*
Participant, Apple Ios Challenge at Rochester institute of technology   *March 2013*