Rahul Pareek

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EDUCATION

Binghamton University, The State University of New York	**Expected Dec 2016**
Master of Science, Computer Science	GPA - 3.1 / 4
SavitriBai Phule Pune University, Pune, India	**July 2015**
Master of Computer Application, Computer Science	Per- 65.65 / 100
Jai Narayan Vyas University, Jodhpur, India	**July 2011**
Bachelor of Computer Application, Computer Science	Per- 62.40 / 100

TECHNICAL SKILLS

- Programming Languages:	C, C++, Java, C#, Adobe flash and Dreamweaver.
- Data Base:	MS SQL Server 2008, PL/SQL, Oracle 11g
- Web Technologies:	HTML, CSS, JavaScript, jQuery, ASP.Net, Amazon Web Services (S3, EC2), Highcharts
- Tools:	Ant, Make, GitHub, Eclipse, NetBeans, Visual Studio 2010, Putty, XCode.
- Operating Systems:	Microsoft Windows, Linux, OSX.
- Certification:	Microsoft Certification 70-536 (Foundation) & 70-562 (ASP.NET 3.5).
	GNIIT Software Engineering Certification from NIIT limited.
- Specialty	Microsoft Certified Technology Specialist (MCTS).

PROFESSIONAL EXPERIENCE

- Training Assistant, NIIT - worked as a programming language trainer.	**Oct 2011-Oct 2012**
- Software Developer, Continuous Excellence	**July 2014-July 2015**

Xigrom Cloud Project – Designed UI and functionalities of tracking device location by Google APIs and teleporting live application using ASP.net 3.5, Bootstrap, JavaScript, JQuery and MS SQL Server 2008 R2 as Backend and report generation using iTextSharp pdf libraries.

MiBiz App Project – Developed finance apps for mobile using HTML, JQuery, JavaScript, Jason by the help of MobileSmith Platform hosted on Amazon S3 Cloud.

Finance Portal Project – Designed and developed the fully customizable web portal for Australian finance calculators, Designed UI and Develop functionalities like Data Handling, Report generation using iTextSharp pdf, mailing system, Widgets, Licensing dashboard, analysis dashboard, and widget dashboard using ASP.net 3.5, Bootstrap, JavaScript, JQuery, MS SQL Server 2008 R2 and added functionality of graphical representation using Highcharts JS.

ACADEMIC PROJECTS

- **Generic CheckPointing System**- implementation of Strategy Pattern, Proxy Pattern, Reflection Design Pattern using vector data structure in Java.
- **Word Count System**- developed efficient word count system implementing Red-Black Tree and binary tree in Visitor Design Pattern. Language used – Java.
- **Content Addressable Network P2P System**- implemented File insert and retrieve algorithm, routing mechanism, node join and leave protocol, displaying peer information functionality in P2P distributed infrastructure spread over a 2-dimensional logical Cartesian coordinate space. Language platform – Java.
- **Instruction pipeline Simulator**- implemented Re-Order buffer, Load Store Queues, Register Renaming. Used Dynamic array and Queue as data structure in Java.
- **Grammar Recognizer with Recursive-Descent Parsing**- implemented functionality for checking syntactic errors and rule definition. Used array data structure in Java.
- **Sudoku solver**- implemented driver class in Java for integrating other modules implemented in different languages to compare performance of different languages. Languages used – C, C++, Java, JavaScript
- **Visualized Data Structure**- developed the visualization of data structure using graphics in C and C++. Used linked list, stack, queue data structure.
- **Shell**- implemented signal handling, command filters, pipes and process manager in C.
- **System Call -**Developed a Linux system call in Linux kernel using C language.
- **Character Device** - Developed a Kernel level pipe for exchanging strings among user processes, maintained concurrency, synchronization, and various kernel primitives in LINUX Kernel in C. Queue is used a data structure.
- **Career Guidance and Placement Unit**- developed web application using ASP.net 3.5 and MS SQL Server as backend.
- **Rate my Classes**- developed web application using HTML, CSS, JavaScript, Bootstrap, MS SQL Server 2008 with ACM group team members. Used graph as data structure.

ACHIEVEMENTS

- Member of ACM and participated in ACM ICPC Council International programming competition, HackBU, HackRU.
- University of Cambridge ESOL Certification and German Language Beginner Level Certification, SIFIL, Pune.
- Publications ... Analytical study of Cloud ERP and ERP (Oct 2014)