

MEDHAVI MAHANSARIA

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Available: **May - Aug 2016**

EDUCATION SUMMARY

Northeastern University, Boston, MA

College of Computer and Information Science

Sept 2015 - Present

Candidate for Master of Science in Computer Science, GPA 3.67/4

Expected Graduation: Aug 2017

Related Coursework: Programming Design Paradigm, Artificial Intelligence, Web Development, Algorithms

Activities: Graduate Teaching Assistant for Theory of Computation course.

Bangalore Institute of Technology, Bangalore, India

Bachelor of Engineering in Information Science, GPA 7.2/10

Sept 2008 - June 2012

Related Coursework: C/C++, C#, .NET, Web Designing, DBMS, Algorithms, Computer Graphics, Java, Unix Programming, Object Oriented Programming, Operating Systems, Networks

Activities: Selected for and performed the duties of Class Representative

TECHNICAL KNOWLEDGE

Languages: C/C++, Java/J2EE, Perl, Shell scripting, Python, C#, MATLAB, Jasper, BIRT
Systems: Windows (98/XP/Vista/7), Mac OS X, MS DOS, UNIX, Linux, AIX, Solaris
Software: Visual Studio, MyEclipse, VPN, SOCI
Databases: Oracle (9i, 10, 11, 12), SQL, PL/SQL, DB2, PostgreSQL, MySQL, JDBC
Web Technologies: JavaScript, jQuery, JSON, AJAX, AngularJS, NodeJS, Bootstrap, HTML, CSS, Apache Tomcat
Tools: GDB, DBX, Make, SVN, GIT
Certifications: N+, CCNA, CEH

WORK EXPERIENCE

TATA Consultancy Services Pvt Ltd., Bangalore, India

Dec 2012 – July 2015

Systems Engineer

- Implemented Anti-Money Laundering (AML) product and provided technical and customer support for Customer Watchlist Scanning, Transaction Monitoring, Customer Risk and Regulatory Reporting in Punjab National Bank (India's second largest bank) and Abu Dhabi Commercial Bank
- Managed AML off-shore technical support operations using VPN for Khan Bank (Mongolia's largest bank)
- Designed and developed Regulatory Reports for AML and FATCA Compliance product using Jasper, BIRT, Shell scripting and Oracle to meet Compliance requirements and avoid penalties in Lakhs of INR for the organization
- Programmed the AML product to be compatible with all versions of databases of Oracle, DB2 and PostgreSQL using open source SOCI, resulting in increase in customer responses and also doubling the profits for the project
- Benchmarked the AML product in C++, Oracle, Java, JDK 1.2.2, Tomcat and Apache 2.2.22, to simulate production environment and to enhance performance
- Led a Quality Assurance team of 5 associates to ensure development standards and SDLC process compliance
- Designed, developed and presented an end-to-end hospital management system, with captcha for security, using C/C++, Shell scripting, Perl and Oracle on Linux OS and won accolades for the robustness of the system

ACADEMIC PROJECTS

Agent Playing Blackjack with Advice

Northeastern University, Boston, MA

Nov – Dec 2015

- Designed and programmed an agent which plays Blackjack and also provides advice to the user as to which move to make next using the Artificial Intelligence concepts such as Q-Learning using Java and Swings

SPAF: Stateless FSA-based Packet Filters

Bangalore Institute of Technology, Bangalore, India

Jan – Apr 2012

- Formulated, compiled and programmed a stateless packet filtering technique based on Finite-State Automata (FSA) with memory safety and termination with minimal run-time overhead using JDK 1.2.2, JDBC, Servlets, Tomcat, API's, Swings, TCP/IP stack and Sockets

INTERESTS / ACTIVITIES

- Participated in numerous swimming events. Won second position in 50m freestyle, third position in 100m freestyle and 100m backstroke at the 3rd Jharkhand State Swimming Championship
- Initiated various voluntary activities such as a breast cancer awareness program and Anaemia prevention programme
- Also interested in playing badminton, basketball, pacman, oil painting, travelling, dancing and singing