Aswathi Radhakrishnan

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EDUCATION

Master of Science: Computer Science 2016 December (Expected)
University of North Carolina at Charlotte, NC, USA CGPA: 4.0 (21 credit hours)

Course Projects:
- *Algorithms & Data Structures*: Lempel-Ziv-Welch algorithm, Dijkstra's algorithm (Java)
- *Robot Motion Planning*: Real-time motion planning around dynamic obstacles: RT-RRT* algorithm (Python)
- *Survey of Programming Languages:* Optical Character Recognition: Forest, kNN algorithms (Julia)
- *Mobile Application Development*: Pizza store, Chat application using Firebase (Android)
- *Computer Networks*: Link State Routing algorithm (Java)
- *Intelligent* Systems: An unbeatable game of Tic-Tac-Toe: Minimax algorithm (Java)

Coursework in Progress:
- *Machine Learning, Computer Vision, Cloud Computing for Data Analysis*

Bachelor of Technology: Information Technology 2010 April
Toc H Institute of Science & Technology, Kerala, India CGPA: 3.9

SKILLS

- Operating Systems: Windows, Linux, UNIX, OS X, Android, ROS
- Programming/Query Language(s): Java, Python, MATLAB, Julia, R, C, C++, .Net, SQL
- Database Systems: MySQL, Firebase
- Other Software/Framework/Tools: Shell Script, Git, Subversion, Bugzilla, VMWare, Curl, DbVisualizer, Pygame, Hadoop. Exposure to REST, SOAP APIs

EMPLOYMENT

Totient Business Solutions Pvt. Ltd. *Test Automation Engineer*
Bangalore, Karnataka, India 2011 Oct – 2014 Dec
- Worked extensively on Selenium RC, WebDriver and Linux shell scripting
- Implemented screen capture for failed test cases thereby reducing maintenance cost by 30%. Proposed and implemented refactoring of the code base
- Developed generic XPath module to generate dynamic XPath for elements in the application

Cognizant Technology Solutions India Pvt. Ltd. *Programmer Analyst Trainee*
Coimbatore, Tamil Nadu, India 2010 Nov – 2011 April
- Completed comprehensive industrial training (6 months)
- Exposure to web services testing

HONORS

- The Indian Prime Minister's scholarship 2006 – 2010
- "The Employee of the Year", Totient Business Solutions Pvt. Ltd. 2012 April
- Recognized as "The Most Valuable Newcomer of the team", Cognizant Technology Solutions 2011 April

RESEARCH EXPERIENCE

- **Paper(s) Presented:** *"WiMAX and the issues related to power consumption on devices"*, International Conference on "Recent Trends in Computational Science" (ICRTCS – 2008), 11- 13 June 2008, Cochin
- **Employee Appraisal System**: R&D department, Toc H Institute of Science & Technology. Used a fingerprint reader to track attendance.

CAMPUS INVOLVEMENT

- Established and presided over **Sun Microsystem's Open Source University Meetup (OSUM)** at Toc H Institute of Science & Technology. Conducted technical hands-on sessions for students. Organized seminars to provide awareness on importance and application of Open Source software, design and other content.
- Organized and conducted events as part of Annual College Meet.