

ASWATHI RADHAKRISHNAN

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EDUCATION

Master of Science: Computer Science

University of North Carolina at Charlotte, NC, USA

Expected Graduation: 2016 December

CGPA: 4.0 (21 credit hours)

Courses: Algorithms & Data Structures; Robot Motion Planning; Mobile Application Development; Computer Networks; Intelligent Systems

Projects: *Algorithms & Data Structures* Implemented Lempel-Ziv-Welch Compress/Decompress Algorithm, Implemented Dijkstra's algorithm to find the shortest path between two nodes in a graph
Robot Motion Planning Motion planning of a robot in an environment comprising of dynamic obstacles
Survey of Programming Languages Optical Character Recognition using Julia programming language
Mobile Application Development Developed an application for a pizza store. Used Firebase to store data.
Computer Networks Implemented of Link State Routing algorithm
Intelligent Systems Built an unbeatable game of Tic-Tac-Toe using Minimax algorithm

Bachelor of Technology, Dept. of Information Technology

Cochin University of Science & Technology, Kerala, India

2010 April

CGPA: 3.9, First class with Distinction

Project: Employee Appraisal System for Research & Development Dept. of Toc H Institute of Science & Technology

EMPLOYMENT

Totient Business Solutions Pvt. Ltd.

Bangalore, Karnataka, India

2011 Oct – 2014 Dec

Test Automation Engineer

- Worked on building automation framework using Selenium for testing the product.
- Worked expansively on Linux shell scripting. Contributed to restructuring framework from scratch to yield efficient execution time.
- Experience on web service testing. Amazon big data testing.
- Implemented a headless automation framework using HtmlUnit and Java and integrated the same with JUnitReport.

Cognizant Technology Solutions

Coimbatore, Tamil Nadu, India

2010 Nov – 2011 April

Programmer Analyst Trainee

- Completed comprehensive industrial training (6 months)
 - Worked on web services testing in Insurance domain
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ACCOMPLISHMENTS

- “Best Employee of the Year” award in the first tenure at Totient Business Solutions Pvt. Ltd., Bangalore
- Implemented screen capture of the application at the point of test failure when automated tests are executed in cluster, unsupervised. Reduced debug time and maintenance by 50%.
- Proposed and implemented code cleanup thus reducing redundancy and improved coherence of framework.
- Implemented generic XPath module which generates dynamic XPath of any element in the application with minimal input.
- Identified as “Best Newcomer of the team” in Cognizant Technology Solutions Pvt. Ltd.
- Received applauds for implementing a quicker way of importing data into web services at Cognizant Technology Solutions Pvt. Ltd.
- Recipient of Prime Minister’s scholarship for 4 years (2006 – ’10)

CONFERENCE PARTICIPATION

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

RESEARCH EXPERIENCE

Worked extensively with R&D department of Toc H Institute of Science & Technology to develop **Employee Appraisal System** for the institute. The system evaluated the performance of the employees based on reviews by the Dean, Head of the Department, coworkers and students. It also recorded Time-In and Time-Out of the employees using a fingerprint reader and generated overall evaluation report at the end of the term.

EXTRACURRICULAR UNIVERSITY SERVICE

- Established and presided over **Sun Microsystem’s Open Source University Meetup (OSUM)** in undergrad college campus. 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.

CERTIFICATIONS/PROFESSIONAL DEVELOPMENT

- Developing Enterprise Applications using J2EE, NIIT, 2007
- Developing Enterprise Applications using VC#.Net, NIIT, 2008

RELATED PROFESSIONAL SKILLS

Operating Systems	Windows, Linux, UNIX
Programming languages	Java, Python (basics), C, C++, .Net, Julia, SQL, UNIX/Linux shell, REST and SOAP web services
Database systems	Oracle, MySQL, PostgreSQL, Microsoft SQL Server, DB2, Teradata, Sybase, Firebase
Other Software/Tools	Git, GitHub, Subversion, Bugzilla, VMWare, Tomcat application server, Curl, DbVisualizer, ROS, pygame, Android