

Mr. Shailesh Lohia

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Objective

To become a researcher in Artificial Intelligence at a leading research-based university or an industrial laboratory, and to conduct research that has significant impact on technology community as well as to produce high-quality and advanced software for industry.

Education

Georgia Institute of Technology <i>M. S. (Computer Science)</i>	<i>ongoing (started Fall 2013)</i>
Vivekanand Education Society's Institute of Technology (VESIT), Mumbai <i>B.E. (Computer Engineering)</i>	2007-2011 71.98%
Jai Hind College, Mumbai (High School) <i>Maharashtra State Board (HSC)</i>	2005 - 2007 88.17%
St. Mary's School <i>Indian Certificate of Secondary Education (ICSE)</i>	May 2005 89.00%

Experience

Microsoft IGTSC, Bangalore

Trainee
Support Engineer

July 2011 - Feb 2012
March 2012 – May 2013

Worked on the code base (managed and unmanaged) of the System Center Suite - this is one of the largest Enterprise Management Software in the market today. Responsibilities included testing the product in Beta phases and work closely with the Premier Microsoft Customers to troubleshoot business critical situations and customize the products for their environment.

Academic Projects

- **Project iRIS [Microsoft Imagine Cup 2011 (Embedded Development) & Intel India Embedded Challenge]**
This project aims at redefining the way in which visually impaired individuals interact with computer systems moving from the predominantly used audio based assistive technologies to a more natural way of interacting using page length tactile displays and braille. The project is based on an evolving concept “graphical user interface” that can be used by the visually impaired to interact and perform day to day activities on a computer and use the internet not only for text but also for images.
- **Automated Theorem Proving (ATP): Radically Optimized Prover9 [Final Year Engineering]**
A research based project being undertaken in a group as part of the Academic requirements for BE degree course. The aim of this project was to develop a parallelized version of Prover9 and compare its performance

with the existing ATPs. The project was developed in C++ programming language with the use of Native POSIX Thread Library

- **Multi Agent based Enterprise Security Module** [Final Year Engineering]
A research based project in collaboration with classmates. The project aimed at developing Network Intrusion Detection System that mimics the immunity system of the human body using multi agent systems. The platform used to develop this project was JADE. The agents were designed to collect data from different segments of the network and use the algorithms to detect on going intrusions.
- **Project Hello World** [Microsoft Imagine Cup 2010 (Embedded Development)]
The aim of the project was to develop a portable semi-autonomous Neonatal Resuscitation and Incubation unit to reduce neonatal mortality especially in rural areas by providing remote observation by doctors, alert handling in case of emergencies and giving suggestions based on machine learning before the child can be transported to a tertiary healthcare center. The project used Windows Embedded CE 6.0 R3 with Silverlight in native code.
- **Project Aarogya Marg** [Microsoft Imagine Cup 2010 (Software Design)]
The project aimed at developing and demonstrating how ICT can be used to improve Health Service Delivery across the nation. The project involved demonstrating how remote medicine combined with service virtualization can help reduce the time for delivering treatment in rural areas. The technology used for this was ASP.NET, Silverlight, Embedded Modules using ATmega128 and Windows Forms Application using C#.
- **Project Work 2 Workers** [IBM's The Great Mind Challenge, 2010]
The project was a J2EE based web application which aimed at providing a platform for registered employers to find and employ skilled, semi-skilled and unskilled workers. The features developed by me were forums, profiling features similar to social networking sites and financial management using Payment Gateways.
- **Project AllNutrition** [Microsoft Imagine Cup 2009 (Software Design)]
The project aimed at early identification of malnutrition. The solution consisted of a mobile based application for collecting data of a subject's health parameters which returned the nutrition value of the patient. A simple hardware device, which could detect the nutrition value of the subject by Bio-electrical Impedance Analysis, was developed.

Technical Skills

Programming Languages: C, C++, Java, C#.

Databases: Microsoft SQL Server, MySQL.

Web: PHP, AJAX, JavaScript (jQuery), ASP.NET, HTML, CSS, XML, Silverlight, J2EE.

Multimedia: Photoshop, Flash.

Achievements

Awards:

- Received **Star Rookie** award for performance in the first year after joining **Microsoft IGTSC**.
- **Represented India** at the **World Skills Competition 2011, London** in the **Web Designing** category after **winning the National Selection** organized by National Skill Development Corporation (NSDC) India in association with NASSCOM
- Member of Team Drushti that **represented India at Imagine Cup Worldwide Finals at New York in July, 2011** after winning **1st prize at Imagine Cup 2011 National Finals** in **Embedded Development** category.

Other Technical:

- Member of team adjudged as **Finalist at the Intel Embedded Challenge 2011** for project iRIS.
- Member of Team RSS that won **2nd Prize at the Imagine Cup 2010 National Finals** in **Software Design category** conducted by Microsoft annually.
- Part of the development Team of IEEE VESIT website that **received 4th place in the IEEE Asia-Pacific Region 10 Student Branch Website Designing competition.**
- Member of Team Tritium that represented VES Institute of Technology at the **ACM Inter Collegiate Programming Contest 2009** conducted annually worldwide in association with IBM.
- Won **1st prize** in Engineering Marathon (Programming and Electronics) conducted by ISTE SAKEC Student branch during their Technical Symposium “Nucleus ’10”.
- Won **1st and 3rd prize** in Electronic and C/C++ coding events respectively at the Inter Collegiate Technical Festival “360 degrees” conducted by IEEE Bombay section.
- Won **3rd prize** in C/C++ coding event conducted by Computer Society of India Student branch at VESIT.
- Won **2nd prize** at the Robotics competition “Robofest” conducted by IEEE VESIT Student Branch.

Non-Technical:

- Won **2nd prize** in Debates conducted by the ISTE VESIT Student Chapter.
- Successfully completed with **Distinction** the English Public Speaking Grade III program from Trinity College.

Positions of Responsibilities

- **Branch Representative** (Computer Engineering) in VESIT Training and Placement Cell (2010-11).
- Have been a part of the **Praxis (in house Technical Festival) Core Committee** in the capacity of **Senior Web Developer and Designer** (2010) and **Junior Web Developer** (2009)
- Have been a part of the **IEEE – VESIT Student Branch Management Council** in the capacity of **Junior Web Editor** (2009-10) and **Coordinator** (2008-09)

Published Articles

- **Layer 7 LAN Switching** (LAN switching just got smarter), Interface, Computer Society of India, April 2009.
- **The Freenet Project** (Peer through Peer to Peer), Random Thoughts, Computer Society of India, March 2009.

Certifications

- Microsoft Certified Solutions Associate: **Windows Server 2012** [achieved May 2013]
- Microsoft Certified Solutions Expert: **Private Cloud** [achieved May 2013]
- Microsoft Certified Solutions Associate: **SQL Server 2012** [achieved May 2013]