

CAREER OBJECTIVE

To architect and craft high-quality people-centric software in a skilled team environment utilizing my intellectual strengths and unique creative talents.

EDUCATION

- 2002–PRESENT **Nanyang Technological University, Singapore**
Master of Engineering (by Research) specializing in Human Computer Interaction
- 1998–2002 **Nanyang Technological University, Singapore**
Bachelor of Applied Science in Computer Engineering (2nd Upper Honors)
- 1998 **Bharatiya Vidya Bhavan, India**
Topped the State in 'A' Levels with 95.2% scoring straight A's. Won 11 awards for academic excellence.

KEY ACHIEVEMENTS

- 2005-2008 **Global Winner** of the Avanade/Microsoft Silverlight Passion Contest beating over 40 teams from around the world. The contest goal was to create a compelling online user experience using Microsoft Silverlight technologies. Presented during keynote at Tech Summit 2008, Seattle.
Promoted thrice over the course of 2 years at Avanade with a **double-promotion** in 2007.
Won the Individual Performance Award for 2007 and shared the Team Performance Award for 2006.
Part of the team that successfully delivered two large scale projects (5-20 million) for the world's largest medical assistance company and Singapore's largest terrestrial broadcaster respectively.
- 2003-2004 Runner-Up at the Encenuate Innovation Competition developing a 'Prototyping Framework for Text Entry Research'.
Presented a paper on the framework at the *Asia Pacific Computer Human Interaction (APCHI'2004) Conference* held at Rotorua, New Zealand.
- 2002 **Top 10 Finalist at the Microsoft .NET Competition 2002** developing 'onChange.NET: A Change Detection Web Service Suite'. Invited to present at the Microsoft Office Product Launch Event.
- 2000-2001 **Best Java Application** at the SingAREN Advanced e-Business Competition competing with teams from various institutes in Singapore.
User Interface featured on Sun Microsystems *Swing Sightings* and profiled in several publications.
Published a paper in the *Proceedings of The International Workshop on Agent Technologies over Internet Applications (ATIA'2001) Conference*, Taiwan.
- 1998-2002 **SIA-NOL Scholarship** and **NTU Research Scholarship** for pursuing Undergraduate and Graduate studies respectively.
- 1996 **Rashtrapathi Award** by His Excellency, the *President of India*, for excellence in Scouting. This award is the highest honor and is the result of more than 4 years of active Scouting.

PROFESSIONAL EXPERIENCE

MAR'05 – PRESENT

Senior Consultant, *Avanade*

Avanade is a joint venture between Microsoft and Accenture to provide business- and industry-based solutions utilizing Microsoft technology

- ◆ Currently designing an EAI and SOA architecture for Singapore's Revenue Authority using BizTalk 2006R2 and the Windows Server platform.
- ◆ Designed and built the Unified GRID – an enterprise-class rich user interface integrating over fifty business processes across multiple business units at Singapore's largest terrestrial broadcasting company.
- ◆ Managed and mentored a core team of 5 developers over the course of a year towards the build of the GRID while effectively executing the role of a Sub-Lead for a 20 person team.
- ◆ Built a real-time data replication system for one of the world's largest medical assistance companies linking operations in 24 cities across 10 countries.
- ◆ Active member of the Avanade MVP programme and Architecture Focus Group.

JUN'03 – NOV'04

Lead Developer, *Epsilon 3D*

- ◆ Architected and developed a commercial 3D engine in C# and OpenGL leveraging on the strengths of the .NET platform.
- ◆ Designed an Object-Oriented rendering pipeline utilizing Design Patterns and best practices and successfully integrated the engine with a VB backend simulation with COM Interop.

OCT - DEC'03

User Interface Consultant, *Brunswick*

- ◆ Conceptualized and developed web and mobile user interfaces for a Fleet Management System and a Personal Trainer application for high-value clients.

NOV'01 – APR'02

Research Engineer, *HeliXense Pte. Ltd.*

- ◆ Directed front-end development for its flagship product enforcing consistency across applications. Conducted training sessions in Java for Bioinformaticists.
- ◆ Developed a Java based Desktop Interface, a graphical rule-based XML Query System and a Bioinformatics Workflow Application integrated with a J2EE backend.

JAN – JUN '00

Technical Consultant, *Silicon Graphics (Internship)*

- ◆ Deployed the hardware and designed the software for a Linux Media Streaming Server Cluster with High Availability and Load Balancing capabilities. Presented at LinuxWorld 2000, Singapore.
- ◆ Traveled extensively to provide Linux support and training to SGI, India. Presented and provided event support for the SGI Road Show at 8 cities over 2 weeks.

ACADEMIC PROJECTS

2002-PRESENT

Human Computer Interaction with Mobile Devices, *Masters Thesis*

- ◆ Designed a prototyping framework in Java for Mobile Text Entry research and presented a paper on the same at the *Asia Pacific Computer Human Interaction Conference 2004* held at Rotorua, New Zealand.
- ◆ Conceptualized an innovative new text entry method for mobile phones that is expected to increase real-world text entry speed for applications like SMS.

2001-2002

Bioinformatics Workbench, *Honors Year Project*

- ◆ Designed a graphical Bioinformatics Workbench in Java using XML to represent and dynamically integrate fuzzy genome sequence analysis algorithms.

2000-2001

Virtual Reality Framework, *Final Year Project*

- ◆ Developed an Object-Oriented Application Framework to enable programmers to rapidly create 3D environments.
- ◆ Investigated the use of Design Patterns in 3D application design and identified areas of applicability.

TECHNICAL SKILLS

CONCEPTS	Refactoring, Unit Testing, Design Patterns, Application Blocks, Object-Oriented Application Frameworks, Object/Relational Databases, Performance Tuning User Interface Design, Usability and Usability Testing Methods
PROGRAMMING	<u>Desktop</u> : Silverlight/WPF expert, C#, .NET CF/Smartphone, Java (JFC/Swing, J2ME, J2EE, EJB, JDBC), C++/C, VB, XML, UML <u>Web</u> : .NET Web Services, ASP.NET (w/Custom User Controls), ASP, JSP, Struts, Servlets, DHTML, CGI/Perl, Crystal Reports
SOFTWARE	<u>Servers</u> : BizTalk 2006, SQL Server 2005, MsSQL, Apache, Squid, Tomcat, Real/QuickTime Streaming Servers <u>Development</u> : Visual Studio.NET w/Resharper, JBuilder, Eclipse, ANT, CVS, SourceSafe <u>Design/Prototyping</u> : Rational Rose, Visio, Expression Suite, Photoshop, Dreamweaver, Director
CERTIFICATIONS	MCSD.NET

EXTRA-CURRICULAR ACTIVITIES

- ◆ Award winning artist and aspiring musician. Over 50 awards for excellence in creative arts, writing and graphic design.
- ◆ Successfully leading an international team of 30 cyberathletes organizing and participating in online gaming tournaments in Singapore and Asia. Administrator for Starhub Gaming Servers.
- ◆ Member of the teams that organized 'Nautanki 2001' and 'TechnoQuest 2000', directing multimedia presentations. Awarded 'Memento of Thanks' in recognition of services rendered.