

Nuwan Ishanta Senaratna

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Education

- **Stanford University, Stanford CA, Master's Degree program in Computer Science specializing in Artificial Intelligence** (Sep 2007 to Present) Expected Graduation Date: June 2009. GPA (thus far): 4.2 (On a scale of 4.25)
- **University of Colombo, Sri Lanka, Bachelors Special Degree Programme in Computer Science** (Aug 2002 to Aug 2006). Established a University record by scoring the highest ever aggregate in the history of the degree program. GPA: 4.2

Computing Skills

- **Programming languages**: Java, C++, C#, PHP
- **Mathematical and Statistical Software**: Matlab, R

Relevant Coursework

- **Graduate Courses**: Machine Learning, Artificial Intelligence (AI), Probabilistic Model for AI, Computer Vision, Natural Language Processing (NLP), Modern Applied Statistics: Learning, Data Mining
- **Undergraduate Coursework**: Operating System and Systems Programming, Software Engineering, Database Systems, Data Structures and Algorithms, Distributed Systems, Cryptography

Projects

- **Decision Dashboard** (Sep07 - Present) - Research in progress with the Center for Integrated Facility Engineering, Stanford University.
Technologies Used: Java, XML, JSON, MySQL
- **Automatic Multiple Document Summarization** (April08 - July08) - Course Project for Natural Language Processing 3-D image reconstruction from a single still 2-D image (Dec07 - July08- Independent research in collaboration with the Stanford AI Lab).
Technologies Used: Java, Wordnet, Framenet, PERL
- **Stanford Little Dog Robot Project** (Sep07- Dec07 - Course Project for AI - Stanford University).
Technologies Used: C, Matlab
- **Extending WordNet using Generalized Automated Relationship Induction** (Sep07- Dec07 - Course Project for Machine Learning - Stanford University. Done in collaboration with the Stanford NLP Group).
Technologies Used: Java, Matlab
- **Automatic Music Composition using a Tree of Interacting Emergent Systems** (Aug05 - Aug06 - Final Year Research Project, University of Colombo).
Technologies Used: C# .NET

Work Experience

- **Research Assistant**. Center for Integrated Facility Engineering, Stanford University. (July07 to Present).
Technologies Used: Java, XML, JSON, MySQL
- **Business Analyst**. Millennium Information Technologies, Sri Lanka. (Aug06 to Dec06).
- **Trainee Software Developer**. Industrial and Financial Systems R & D Ltd. (Aug05 to Dec05).
Technologies Used: C#. NET, Java, PL/SQL, Oracle, Microsoft BizTalk Server

Awards

- **Asia Pacific ICT Awards 2006** - Gold award for the Tertiary Student Project Category (Nov06).
- **National Best Quality Software Awards** - Gold award for the Tertiary Student Project Category (Oct06)
- **Microsoft Partner Award** for Best Product Developed using Microsoft Technology (Oct06)
- **Professor Mohan Munasinghe Award for Best Computer Science Student** and CINTEC Award for the Best Computer Science • Final year project University of Colombo (Aug06)
- **"Top International Winner 2002"** - British Computer Society Professional Examinations - (Oct02)

Other Interests

- Classical Music, Jazz, General Knowledge Quizzes, Public Speaking, Volunteer Service, Hiking and Dancing.