

Buddhika Kottahachchi

70 Pacific Street, Apt#902A
Cambridge, MA 02139
(617)230-8015
buddhika@mit.edu
<http://people.csail.mit.edu/~buddhika>

OBJECTIVE	A stimulating career in an Information Technology related field combining my technical and business expertise.
EDUCATION	Massachusetts Institute of Technology, Cambridge, MA Master of Engineering in Computer Science and Electrical Engineering – Expected February 2005 GPA 5.0/5.0 Dual Bachelor of Science Degrees - Awarded June 2002 Computer Science & Engineering - <i>Concentrations: Computer Systems & Architecture, AI & Applications</i> Management Science - <i>Concentration: Information Technology</i> Relevant Courses: Managing Technological Innovation, E-Business, Management Information Systems, Applied Statistics, Laboratory in Software Engineering, Computer Systems Engineering, Knowledge Based Application Systems, Applied Parallel Computing, Database Systems and Ethics and the Law in the Electronic Frontier
SKILLS	Languages: Java, C++, Scheme/LISP, Python, BASIC/Visual Basic Tools: Visual Studio, Visual Age, Forte, JBuilder, Dreamweaver, SAS, CVS, PerForce, InstallShield Platforms: UNIX/Linux, MS Windows, MS Server Technologies Familiarity: Web Services, Microsoft's Cryptography API's, MPI, OpenMP, SQL Extensive experience: PKI/AI based application security systems and knowledge management/collaboration systems.
TECHNICAL EXPERIENCE	MIT Computer Science and Artificial Intelligence Lab, Cambridge MA (January 2004 – Present) Graduate Research Assistant (Agent-based Intelligent Reactive Environments Research Group) – Conducting research on security mechanisms in Pervasive Computing systems. Particular focus on innovating dynamic, role-based, context-aware access controls in intelligent environments supporting multi-user collaboration. Collaborated with similar research groups in other universities to share experiences, identify issues and drive design. Implementing a framework of access controls for the middleware platform used to enable intelligent environments in the lab. Kubi Software Inc., Lincoln MA (July 2002 – December 2003) Software Engineer – Designed and implemented core aspects of both the security infrastructure for the entire Kubi family and the product licensing and enforcement mechanisms. Supported sales and marketing organization by interacting with a range of Fortune 1000 clients and analysts. Created an intensive market analysis of the existing competition and technical expertise of security architectures of collaboration/knowledge management systems, which became part of fundamental product collateral used by sales and marketing. IBM Software Group - Lotus Software, Cambridge MA (Summers 2000/2001) Developer Intern (2001) – Conducted research on the potential use of web services in enterprise knowledge management applications. Designed and implemented a security model for web services. Prototyped a framework to facilitate the use of web services with existing applications. Developer Intern (2000) – Augmented release of Lotus K-Station 1.0 by adding localization support and performance enhancements to the instant messaging and real-time awareness component.
OTHER EXPERIENCE	MIT 6.370 Programming Competition, Cambridge MA (August 2000 – January 2001) Core Organizing Committee – Conceptualized the competition and its format. Obtained department recognition, faculty support, and necessary funding by working with EECS department and corporate sponsors. MIT Spring Weekend, Cambridge MA (Spring 2000) Core Organizing Committee – Planned logistics and organizational details of largest student run event on campus (budget: \$75,000) with the committee. Managed a complete session by coordinating resource allocations between student groups and their sub-events. Enabled International Fair event by successfully petitioning funds from the student government. MIT International Fair, Cambridge MA (Spring 1999) Co-Organizer – Organized a cohesive event that represented a variety of cultures by coordinating the conflicting needs of over 30 student groups. Ensured the availability of all required resources for cultural booths, fashion shows, and musical performances and the conformance to the regulations of MIT and the City of Cambridge.
HONORS/ AWARDS/ LEADERSHIP	International Olympiad in Informatics: Bronze (1997), Honorable Mention (1996) SEARCC International Software Competition: National Team - Captain (1995 –1st, 1994- 2nd) MIT's 6.270 – Autonomous Robotics Competition: Organizer's Choice Award for best robot (2002). President: Sri Lankan Students Association ('01-'02). Vice President: ACM/IEEE – MIT Chapter ('00-'01). Web Master: International Student Association & Sri Lankan Students Association ('99-'00).
SELECTED PUBLICATIONS	Kottahachchi, B. and Laddaga, R. <i>Access Controls for Intelligent Environments</i> . In Proceedings of the Fourth International Conference on Intelligent Systems Design and Applications (ISDA 2004). Budapest, Hungary. August 26-28, 2004.
BACKGROUND	Fluent in English and Sinhalese. Work authorization available under F-1 Optional Practical Training. Previously worked under H-1B authorization.