

S.Vidyaraman

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Objective	To pursue a challenging position in the field of Network & Information Security.	
Education	Master of Science (Computer Engineering) The University of Kansas, Lawrence. Bachelor of Engineering (Electronics and Communication) University of Madras, Chennai, India.	August 2002 GPA: 3.75/4.0 May 2000 Ranked No.15 out of 4000 students
Thesis Title	Security in an Ambient Computational Environment -The National Science Foundation, the Defense Advanced Research Projects Agency under U.S. Air Force contract, The Univ. of Kansas, and Sprint Corp sponsored the ACE project.	
Thesis Work	Implemented a security architecture in the ACE <ul style="list-style-type: none">• Single Sign on with Fingerprint Identification Units (FIU), IButtons• Secure Session Key Exchange• PKI in ACE (Issuing X.509 Certificates with the CA, Authentication with an RA and distribution of Certificates through a CDS)	
Research Experience	Graduate Research Assistant Adviser Project	: Information and Telecommunication Technology Center (ITTC), The University of Kansas (August 2000 – January 2002) : Dr. Joseph Evans, ITTC, The University of Kansas : Ambient Computational Environment (ACE)
Course Projects	<ul style="list-style-type: none">• Implemented Secure MPLS in a 3-node network Consisted of 3 Systems running MPLS with the stream from the Ingress to Egress being encrypted with RC4 stream cipher.• Configured Protocols (RIP, OSPF, BGP) & Policies on Cisco 3620 Router Router Setup, RIP, OSPF and BGP Authentication, Setting up Access Lists for BGP Route Filtering, Configured Redundancy, Route Reflectors and TACACS+ for AAA.• Captured streaming data from a RS422 Port using PCMCIA card for Honeywell Inc.	
Technical Documentation	Prepared Requirements, Specification and Design documents during my Research Work for the following services in the ACE project. These were in conformance to the Best Practices standard set in our Research Group. <ul style="list-style-type: none">• Audio Capture & Play Daemons (6 documents)• System Resource Monitor Service (3 documents)	
Technical Skills	Computer Proficiency Networking Skills Network Routing Protocols High Level Languages Packages	: Windows 95,98,NT, Red Hat / Debian Linux : GNU Zebra, Socket Programming (Java), Cisco Router Configuration : TCP/IP, RIP, OSPF, BGP : Proficient in Java, Working knowledge of VC++ : MS Office
Relevant Courses	<ul style="list-style-type: none">• Internet Routing Architecture• Information Security• Implementation of High Performance Networks• Software Engineering	
Recognitions	<ul style="list-style-type: none">• Ranked No.1 in the E.C.E Dept of 84 Students (2000)• Ranked No.15 in University of Madras, 2000 (among 50 colleges affiliated to University of Madras)• Microsoft Certified Professional (MS-SQL Server™ 6.5- 1998)	
Extracurricular Activities	<ul style="list-style-type: none">• IEEE Student Member (from 2000)• President of the Association of Communication and Electronics Students (ACES) India (2000)• Conducted National Level Technical Symposium “Charge-2000” as part of the ACES activities	
Availability	Immediate	
References	Available upon Request	
