

Education

- MS, Computer Sc., University of California, Berkeley (Currently Pursuing) GPA 3.96
Coursework: Computer Security, Statistical Machine Learning, Advanced Computer Systems and Network Security.
- Bachelor of Engineering, Computer Sc., Pune University, India (2004) *1st class with distinction*
(Highest grade conferred upon by Pune University)

Awards/ Achievements

- Siebel Scholarship, awarded by the Siebel Foundation (Siebel Scholar 2009) (2008)
- Awarded Research Assistantship and complete tuition waiver for involvement in research on declarative networking project (P2). (2007-2008)
- 10th university rank in Bachelor of Engineering (Computer Science), Pune University (2004)
- Awarded scholarship from TATA (India) for topping in First Year of Engineering (2001)

Research Background

- Working with Prof. Hellerstein (UC Berkeley) on using declarative networking to do distributed statistical inference for network monitoring.

Professional Background

- Persistent Systems Pvt. Ltd. (PSPL), Pune *July 2004 - January 2006*

Technical Skills

- Interests: Network Security and Distributed Systems
- Platforms: Linux, MacOS, Windows CE, Windows 9x/2000/XP
- Tools: SVN, CVS, Trac, VSS, Matlab, Visual Studio.Net
- Languages: C/C++/C#, Perl, Python, HTML/DHTML, Javascript, XML, XSL, Visual Basic
- Databases: Mysql, MS Access, MS SQL Server, MSDE, Oracle, DB2
- Standards: UML, SOAP, WSDL, XML standards

Academic Projects

- **Declarative and Robust Junction Tree for Distributed Inference** *Fall 2007*
Built a declarative inference system to implement distributed Junction Tree algorithm based on the work by Paskin et al. [IPSN '05]. The system was built using P2, a framework for declarative networking and Overlog, its language (a Datalog-variant for distributed queries).
- **Security Analysis of Internet Multipath Routing** *Fall 2007*
Analyzed security issues of current multipath schemes and discussed how to address these issues.
- **Declarative, Distributed Inference for Behavioral Blacklisting of Spammers** *Spring 2008*
Built a distributed system using P2 declarative framework to implement behavioral blacklisting technique proposed by Ramachandran et al. [CCS '07] for detecting spammers based on their sending behavior.
- **Pastry Implementation in P2** *2006*
Implemented Pastry (DHT) using P2, a system that uses declarative logic language (Overlog) to express overlay networks. P2 parses and executes the overlay specification using dataflow architecture to construct and maintain overlay networks.

Work Projects

- **Bridgestone: FleetChief** *(2004 - 2006)*
Developed a GPRS enabled handheld application and Web Service that received calls made from GSM/GPRS enabled PDAs. The Web Service was integrated with Bridgestone's Siebel application using Siebel's XML/MSMQ EAI adapters.