Shalendra Chhabra

CONTACT
INFORMATION

Program Manager
Anti-Spam and Anti-Phishing
Microsoft Corporation
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EDUCATION

- *University of California, Riverside, California USA*

  MS in Computer Science
  - **Thesis: "Fighting Spam, Phishing and E-mail Fraud"** *(October 2005)*
  - Advisor: Dimitrios Gunopulos

- *Institute of Technology, Banaras Hindu University, Varanasi, INDIA*

  Bachelor of Technology with **Honors** in Electrical Engineering, May 2003

COURSE WORK

Computer Networks, Advanced Computer Networks, Database Management Systems, Data Mining Techniques, Advanced Computer Architecture, Artificial Intelligence, Computer Security, Design and Analysis of Algorithms, Distributed Systems (Seminar), Internet Topology (Seminar)

WORK EXPERIENCE

- **Program Manager 10/2005 - Present Microsoft Corporation, WA**
- *Intern 06/15/2005 - 09/15/2005* Mitsubishi Electric Research Labs (MERL), Cambridge, MA
- *Intern 06/15/2004 - 09/15/2004* Mitsubishi Electric Research Labs, (MERL), Cambridge, MA
- *Intern 06/15/2003 - 09/15/2003* DTI, University of Milan Crema, ITALY
- *Intern 06/15/2002 - 09/15/2002* LSV, ENS Cachan, FRANCE
- *Intern 06/15/2001 - 09/15/2001* School of Technology and Computer Science, TIFR, INDIA

TECHNICAL SKILLS

- Languages: C, Java, Shell Script, Python
- Packages: Matlab, Octave, LaTeX
- Operating Systems: Linux, UNIX, Win9x/2000/NT/XP

PERSONAL SKILLS

- Possess very strong communication skills, capability to grasp quickly with critical analysis
- Both Independent and Team Player
- Driven to Lead and coordinate with/among Team members
- Quick blending with diversity and different cultures

PRESENTATIONS

- **Netizen, Authentication and Reputation**, *Rump Session, CEAS 2005, Stanford University http://www.cs.ucr.edu/~ schhabra/ceas05.pdf*
- **Its About You, Me and Every Netizen Because We Have Got Spam and Phish**, *Cisco Systems, April 18, 2005 http://www.cs.ucr.edu/~ schhabra/cisco18.pdf*
- **A Unified Model of Spam Filtration**, *MIT Spam Conference January 2005. Webcast available at http://spamconference.org Session 1, Talk 1*
- **Learning Network Security - The OpenSSL Way**, *Southern California Linux Expo Feb 2005 http://www.cs.ucr.edu/~ schhabra/scale05.pdf*

PROJECTS

- Scheduler for Beowulf Cluster, *Current Project, MERL*
- Analysis of SSL Protocol, *Summer 2002, LSV INRIA FRANCE*
- SupReputella - Design Development and Implementation of a Reputation Based Protocol over top of Gnutella, (in Java Over Limewire), *Summer 2003, ITALY*
- Design and Development of a Secure File Transfer Agent in C, *Fall 2003, UCR*
- An Exhaustive Study of BAN (Authentication) Logic, *Winter 2004, UCR*
- A study of SVM and their application to Spam Filtering, *Winter 2004, UCR*
- Hidden Markov Model for a Robot Agent Problem (C++ with STL), *Spring 2004, UCR*
- Spam Filtering using a Markov Random Field Model
  (Now Implemented in CRM114 http://crm114.sourceforge.net), *Spring 2004, UCR*
- Devised and demonstrated a 3 Dimensional Audio system at MERL, *Summer 2004, MERL*
- An exhaustive study of Trust and Reputation techniques, *Winter 2005, UCR*

PUBLICATIONS

- **Shalendra Chhabra, Master's Thesis: "Fighting Spam, Phishing and E-mail Fraud"** *Department of Computer Science and Engineering, University of California, Riverside, (October 2005)*
- F. Assis, W.S. Yerazunis, C. Siefkes, **Shalendra Chhabra. CRM114 vs. Mr X**, *NIST TREC 2005 Spam Track*
- W.S. Yerazunis, **Shalendra Chhabra**, C. Siefkes, F. Assis and D. Gunopulos. **A Unified Model Of Spam Filtration**, *In MIT Spam Conference 2005, MIT*
- **Book Review,** *Ending Spam* **Slashdot, 08/15/2005**
- **Comment on Microsoft's Article on Spam & Yahoo! SpamGuard**, *Slashdot, 05/11/05*
- W.S. Yerazunis, **Shalendra Chhabra**, C. Siefkes, F. Assis and D. Gunopulos. **A Unified Model Of Spam Filtration**, *In MIT Spam Conference 2005, MIT*
- **Shalendra Chhabra**, W.S. Yerazunis and C. Siefkes. **Spam Filtering using a Markov Random Field Model with Variable Weighting Schemas**. *In Proceedings of the Fourth IEEE International Conference on Data Mining (ICDM '04), 2004.*
- C. Siefkes, F. Assis, **Shalendra Chhabra** and W.S. Yerazunis. **Combining Winnow and Orthogonal Sparse Bigrams for Incremental Spam Filtering**. *ECML/PKDD, ITALY 2004, Lecture Notes in Computer Science. Springer, 2004 Springer-Verlag 2004.*
- **Shalendra Chhabra**, E. Damiani, S. di Vimercati, S. Paraboschi, P. Samarati. **A Protocol for Reputation Management in Super-Peer Networks**. *In Database and Expert Systems Applications, 15th International Workshop on (DEXA 2004), 2004, Zaragoza, Spain*

HONORS AND AWARDS

- Erdos Number 3; Cited on Slashdot
- Deans Fellowship, UC Riverside, 2003-2005
- Certificate of Appreciation by DTI, University of Milan, Crema ITALY (September 2003) and by LSV, ENS Cachan, FRANCE (September 2002)
- First Prize, a Medal from IEE UK in PRASTUTI 2002, Presentation Titled: Managing Security Levels in the Information Domains of Organizations
- Certificate of Achievement and Honorable Mention at ACM International Collegiate Software Programming Contest 2001, (ASIA Zone), INDIA
- Recipient of the Prestigious Summer Visiting Student Fellowship by the Indian Academy Of Sciences (IAS), May-July 2001

- Qualified IIT Joint Entrance Examination 1999 among top 1% out of over 0.3 million students appeared all over INDIA
- Awarded Gold Medal by the Lions Club Haldwani, INDIA, 1996

Hobbies   Reading, Travelling (travelled almost whole of Europe), Sketching, Photography, Skating, Dancing and Choreography, Marketing, Acting and Dramatics

References   Available On Request