

**EDUCATION**

**Columbia University, New York**

*Master of Science, Computer Science*

Grade Point Average: **4.11/4.00**

*Expected  
Dec 2008*

**Netaji Subhas Institute of Technology (formerly DIT), New Delhi**

*Bachelor of Engineering, Computer Engineering*

Absolute Percentage: **75% (Top 5% of class)**

*2006*

**GRE Score:** Verbal: **720/800** (98 percentile); Quantitative: **800/800** (92 percentile); AWA: **4.5/6.0**

**PROFESSIONAL EXPERIENCE**

**Microsoft, Redmond**

**Program Manager Intern, Access and Security Division,**

*June – August 2008*

Developed functional and design specifications for a malware remediation feature in the Antivirus engine framework. Moreover, also conceptualized an end-to-end UX design for the anti-malware [portal](#).

**Columbia University, New York**

**Instructor,**

*Fall/Spring 2008*

• Taught the Programming Languages course in Java in Spring '08 and Perl in Fall '08.

**Research Assistant,**

*Jan - Dec 2008*

• Performed research in the [Intrusion Detection Systems Lab](#). Developed a complete Linux based host sensor from scratch based on Behavior Monitoring to model Insider threats using machine learning techniques.

**Trilogy, Hangzhou, China/ Bangalore, India**

**Product Manager,**

*Feb 2007 – July 2007*

• Devised and conceptualized service designs for Trilogy Retail Services (Hyundai) portals aimed at maximizing site views and increasing conversions ratios.

**Technical Analyst,**

*Nov 2006 – Feb 2007*

• Coded the backend schema of a recommendation system in SQL Server 2000 and wrote JAVA modules to communicate with the database layer.

**Team Lead,**

*July 2006 – October 2006*

• Launched and marketed a social networking site aimed at families within a compressed time frame of eight weeks.

**LG2IP Research Labs, EERIE center of Ecole des Mines d'Ales, France**

**Research Intern,**

*Jan 2006 - March 2006*

• Proposed and published a new data mining algorithm PRIPSEP that employs a Secure Multi-Party Protocol for calculating the support of candidate sequences during sequential pattern mining.

**Oracle India /Indian Institute of Technology(IIT) – Delhi**

**Research Intern,**

*May 2005 – July 2005*

• Conducted research on preventing privacy violations based upon advanced data mining techniques. Published the results in an IEEE conference.

**Indian Institute of Technology(IIT) – Delhi ,**

**Research Assistant,**

*December 2004 - May 2006*

• Published a literature survey of privacy enhancement technologies. Moreover, researched privacy expression languages like EPAL.

## HONORS AND ACHIEVEMENTS

- First Masters Student Instructor at the CS department at Columbia University.
- Complete Tuition Waiver and Scholarship at Columbia University as a Graduate Research Assistant
- Tuition Fee Waiver and Merit Scholarship awarded by NSIT for excellent academic performance.
- Organized an IEEE debugging software event during the technical fest: Innovision 2005.
- Secured a rank of 24 out of 80,000 candidates in the Common Entrance Examination for DCE/NSIT in 2002.

## PUBLICATIONS

- *“Privacy preserving sequential pattern mining in distributed databases”*, Vishal Kapoor, Pascal Poncelet, M. Teisseire, Francois Troussset, [ACM Fifteenth Conference on Information and Knowledge Management, 2006](#) and [Bases des Données Avancées, 2006](#)
- *“Utilizing Network Features for Privacy Violation Detection”*, S.K. Gupta, Jaijit Bhattacharya, Rajanish Dass, Vishal Kapoor, [First International Conference on Communication Systems Software and Middleware \(COMSWARE\), 2006](#)

## RELEVANT COURSES

- [Analysis of Algorithms](#) (A)      • [Database Management Systems](#) (A+)      • [Security Architecture and Engineering](#) (A+)
- [Anonymity and Privacy](#) (A+)      • [Operating Systems](#) (A-)      • [Advanced Database Systems](#) (A)

## SKILL SET

**Programming Languages:** Java; C/C++; Perl

**Tools and Packages:** Eclipse; LaTeX; Product Studio; Visio 2007; Office 2007; Dreamweaver CS3.0 ; CVS

**Database Management Systems:** Postgres; MySQL; SQL Server 2000; Oracle 8i