

# NIRMAL UTWANI

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## EDUCATION:

- **University of Pennsylvania, Philadelphia, PA** **May 2014  
(Expected)**  
Master of Science in Engineering: Major: Computer and Information Science. GPA: 3.57/4.00  
**Coursework:** Analysis of Algorithms, Internet and Web Systems, Distributed Systems, Databases and Information Systems, Software Engineering and Testing.
- **Vivekanand Education Society's Institute of Technology (VESIT), Mumbai University** **July 2012**  
Bachelor of Engineering in Computer Science.  
**Coursework:** Data Structures, Analysis of Algorithms and Design, Operating System, System Security, Computer Organization and Architecture.

## EXPERIENCE:

- **Cofounder at 'FillBags'** **Jan 2012 - Sept 2012**  
'Fillbags' is a bootstrapping startup dealing with e-commerce catering to the needs of Mumbai University engineering students for books, electronics and other computer peripherals.
  - Contributed in deploying the e-commerce portal on the web.
  - Employed various marketing strategies for the publicity of the startup.

## PROJECTS:

- **Know your Olympians: Online Multiplayer Game** **Nov 2012 - Dec 2012**  
A Multiplayer Gaming Web Application based on the Game-show, 'Who Wants to Be a Millionaire' where the user's Olympic trivia is tested. It dynamically generates Quiz rooms as needed, empowers the user with lifelines such as 50-50, audience poll, phone a friend using Google Voice API and also posts individual's score on Twitter.
  - Deployed an algorithm for randomly generating questions having semantic meaning from an Olympic dataset.
  - Implemented Indexing and Caching to optimize Database querying and also integrated the Application with Twitter.
- **Roll Call : Android Application** **Nov 2012 - Dec 2012**  
Android application developed using Parse.com database API for the Netter Center, a Penn organization for Community Partnerships. The application is in use at many of Philadelphia's community schools to collect attendance data and record activities.
  - Contributed in developing an offline version of the application.
- **ICT Application (News Aggregator) Adhering to Accessibility Standards** **Sept 2011 - Feb 2012**  
An elegant Online News Reading Web System with personalized services which also incorporated accessibility features for the disabled. The ICT application adhered to Web Content Accessibility Guidelines (WCAG 2.0).
  - Extracted data using RSS feeds and categorized the data based on user interest.
  - Incorporated Text to Speech functionalities for people with hearing deficiencies.
- **IPL Auction** **Sept 2010**  
Developed a Client-Server application in Visual Studio, using C# and SQL Server for helping team owners in the popular Indian Premier League to cope with the long manual bidding process.

## TECHNICAL SKILLS:

- Java, C++, HTML, JavaScript, XML, C#(Prior Experience), SQL, XQuery, CSS 3.0, HTML 5.
- Eclipse, Cobertura, Microsoft Visual Studio, Netbeans IDE, J2EE, JHawk, Oracle DB, MS Access.

## ACHIEVEMENTS AND EXTRA CURRICULARS:

- Placed in Top 1% (Rank 166 out of 63314) in National IT aptitude test conducted by NIIT.
- Completed a course in 'Web Hacking And Security Professional' organized by 'data64 solutions' promoted by the Department of Science and Technology, Government of India with an aggregate score of 98%.
- Winner of the 'Open Software Event' conducted by CSI-Mumbai Chapter.
- Coordinator for Indian Society for Technical Education-VESIT's Student Chapter for the year 2009-2010.