# VISHAL PATEL vkpatel@cmu.edu (412-576-9775) 1927, Murray Ave, Pittsburgh, 15217

|  |  |
| --- | --- |
| **OBJECTIVE** | To obtain a **summer internship** where I can pursue my interests in Web Technology, Database Application and develop quality products. |
| **EDUCATION** | **Carnegie Mellon University**  **Expected Graduation May 2011** Master of Science in Information Networking **Courses**: 15213-Introduction to computer systems, fundamental networking, statistics.  **National Institute of Technology, Tiruchirappalli, India Graduation May 2007** B Tech Instrumentation and Control Engineering with CGPA 9.16 out of 10 |
| **WORK EXPERIENCE** | **Yahoo! Software Development Centre, India**  **Jun 07 – Jul 09** Senior Software Engineer, Ratings and Reviews (RnR) Team   * **Platform Solutions Engineer**   **Jan 09 – Jun 09** Coordinated integrations and migrations for Yahoo! media sites including **Yahoo! Buzz, Finance, Shopping, Sports** etc with User Generated Content modules like ratings/reviews/comments etc. * **Yahoo! Updates for ratings and reviews**   **Jan 09 – Jun 09** Designed and developed the update generation model for User Generated Content (UGC) like ratings, reviews, recommendations, comments. * **Ratings and Reviews (RnR)**   **Jan 08 – Jan 09** Ratings / Reviews / Recommendations Storage, Retrieval and Management Platform. Implemented **XML/JSON based web service** for the platform with 5x size reduction and 2x performance. * **Advanced Reports for RnR**   **Nov 07 – Dec 07** Analytics for RnR data / API usage. Designed and developed reporting structure with advanced data insights to number of ratings/reviews on daily/weekly/monthly basis |
| **COMPUTER SKILLS** | **Environments:** Linux, Windows, FreeBSD  **Applications/Packages:** YUI, Eclipse, Emacs, Vi, NI LabView  **Languages:** C, Python, PHP, C++, Perl, Bash, SQL, Javascript, CSS, HTML |
| **PROJECTS** | * **Web Content Management System.**   **NIT Trichy Apr 07**  Designed and developed CMS for college website http://www.nitt.edu with features inlcuding version   controlled pages, photo gallery, custom forms for events etc. * **Dalal Street**   **NIT Trichy Jan 05**  A web based stock market simulation. Developed using Linux, Apache, MySQL and PHP with a AJAX   interface for bidding/buy/sell of stocks |
| **HONOURS** | * Achieved companywide Best idea and design award (**Yahoo! U Rock**) for Extensible Message Store Platform. * **Academic Proficiency Award** in Undergraduate School, summer 2005 for best academics among 450 students. * First Prize in **Technical Quiz**, Third Prize in **Programming Contest**, Spring 2006 |
| **ACTIVITIES** | * Delivered a well attended series of lectures on C, C++ Web Programming, Website Design, Database design, PHP, MySQL, XML, XSLT etc as part of the WebTeam at NIT, Trichy. * **Chaired in Sensors 2007** – a technical symposium of department of Instrumentation and Control Engineering. * Member of **Child Relief and You (CRY)** 2005-2007 |

# Project Description & Role

* **Platform Solutions Engineer**  **Yahoo! Jan 2009 – Jun 2009**  
  Member of solutions team that provides complete support for integrations and migrations of Yahoo media sites across the internet like **Yahoo! BUZZ, Movies, Shopping, Autos, Travel, News, Finance** etc. Also includes custom requirements and roadmap designs for new upcoming sites.
* **Yahoo! Updates for ratings and reviews**  **Yahoo! Jan 2009 – Jun 2009**  
  Designed and developed the update generation model for User Generated Content (UGC) like ratings, reviews, recommendations, comments etc.
  + Near real-time generation of profile updates.
  + Modifying the updates based on edit or delete of UGC.
  + Support for profanity moderation based updates.
* **Ratings and Reviews (RnR)**  **Yahoo! Jan 2007 – Jan 2007**  
  Ratings / Reviews / Recommendations Storage, Retrieval and Management Platform.
  + Developed **XML/JSON based web service** for the platform.
  + Maintained the profanity filters for moderation of spam reviews.
  + Involved in developing a new platform that provides 5 times reduction in data size and 2 times reduction in response time.
* **Advanced Reports for RnR**  **Yahoo! Nov 2007 – Dec 2007**  
  Analytics for RnR data / API usage. RnR platform gets thousands of ratings and reviews on daily basis.
  + Developed the full reporting structure from ground up with advanced data insights to number of ratings/reviews on daily/weekly/monthly basis.
  + Incorporated advanced metrics such as users with N reviews this month, unique users, return users etc.
  + Developed analytics for API usage per day, and usage patterns on hourly basis etc. involving data processing and collection from multiple machines reporting RnR aggregates and platform performance.
* **Extensible Message Store Platform**  **Yahoo! Jul 2007 – Nov 2007**  
  A C++ based Object Relation Mapping software library.
  + Developed a C++ database object abstraction library with MySQL.
  + Incorporated support for transactions and advanced customized schema design like relationships, Aggregates etc.
  + Built PHP extension for the library for easy adaptation in web applications.
  + Won “**U Rock**” award – company wide yearly achievement award for the “Best Idea and Design” software.
* **Dalal Street**  **NIT Trichy Jan 2005**  
  A web based stock market simulation. The most popular event in **Pragyan**, a technical festival of NIT Trichy (2005, 2006, and 2007).
  + Designed and developed the application to simulate real stock variations along with related news and information. This application was developed in PHP, hosted on Apache with MySQL used as RDBMS system.
  + Incorporated features like custom bidding, short selling, and alerts for stock variation.
* **Object Identification and Tracking**   **NIT Trichy Jan – May 2007**Designed and developed an electronic four wheeled robot that identifies an object in the immediate environment and maneuvers to reach it. This was developed using simple web camera and image processing tool kit from Matlab. The object identification was done using image segmentation and color based extraction. The uniqueness of object is defined by color and shape (e.g. circular red ball).