Harsh Vardhan Ladha

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Computer Science & Engineering
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Objective

Use my skills to improvise current hardware platform solutions for massive data storage to help social connectivity around the globe.

Technical Skills

Programming Languages: C/C++, Python, Java(basic)

Scripting Languages: PHP, Javascript, Jquery

Query Languages: MySQL, CassandraQL

Frameworks & Platforms: Opencart, Apache Hadoop, Wordpress, Bootstrap, Moodle

Operating Systems: Linux and Windows

Education

- **National Institute of Technology, Silchar (IN)** — 2016(Expected)
  Bachelor of Technology, Computer Science & Engineering — *CPI: 6.13/10 (Till 4th Sem)*
- **Sunbeam School Lahartara, Varanasi (IN)** — 2011
  Higher Secondary Education — *Percentage: 91.2%*
- **St. Xavier's High School, Varanasi (IN)** — 2009
  Secondary Education — *Percentage: 81.6%*

Ongoing Project

- **Recommendation Engine on Elephant Sized Data Warehouse**
  Apache Hadoop
  - Massive data process is the most serious problem. In this project we are applying the concept of distributed and parallel programming on our recommendation algorithm which is based on MapReduce programming model, using Cassandara and MongoDB as our auxiliary storage for real time data access and also to draw comparision between Cassandara and MongoDB.
  - Technologies using : Apache Hadoop, Apache Cassandara, MongoDB, Python

Projects dedicated for College

- **Website for Techno-management fest of NIT Silchar**
  Developer (http://tecnoesis.in) — *Oct. 2014*
  - Developing and updating website within given time constraint and minimal human resources
  - Developed a handy skill to implement jquery based plugins.
  - Website hits : 25,000+ pageviews, 9,000+ sessions. Minimum Alexa Rank reached : 14,200(India)(approx)
  - Technologies used : HTML5, CSS3, Javascript/Jquery, PHP, MySQL

- **Online Attendance System for NIT Silchar** — NIT Silchar(India)
  Developer & Technical Manpower — *Sept. 2014*
  - Developed institute's online attendance system to maintain student's attendance in a web platform integration with *MIS* and *SIS*.
  - Text *SMS* based notifications to student and faculty members are key points.
  - Technologies used : PHP, MySQL, LDAP, Cron

Student Information System (*SIS*) for NIT Silchar NIT Silchar(India)

Developer & Technical Manpower Sep. 2014

- – Devloped a web interface from where student can register for new semester and able to pay registration fees online.
  – Students profile system.
  – Integration of payment gateway and its security is key point.
  – Technologies used : PHP, MySQL, LDAP, Javascript/Jquery, Bootstrap, OpenSSL, Google Recaptcha library

Management Information System (Academics version) for NIT Silchar NIT Silchar(India)

Developer & Technical Manpower May. 2014

- – Developed and maintaining a web interface to manage institute's academic section and its records.
  – *Captcha* and *One Time Password* are important note to secure login. Authentication of user and privilege moderation is managed using LDAP server.
  – Safe from attacks such as *XSS*, *SQL injection*, *Man in the middle*, *Session hijacking*.
  – Graphical analysis (pie chart, bar graphs, spline curves) of log files and *academic results* are generated using PHP library *Jpgraph*.
  – Under maintainence process it is planned to maintain logging data in *HDFS* and analysis of it using *MapReduce*.
  – Technologies used : PHP, MySQL, LDAP, Javascript/Jquery, Bootstrap, OpenSSL, Google NoCaptcha-Recaptcha library

Online Recruitment Portal for NIT Silchar NIT Silchar(India)

Developer & Technical Manpower (http://recruitment.nits.ac.in) Mar. 2014

- – Developed and maintained institute's online recruitment portal for *faculty* and *non-faculty* positions.
  – Integrated *Admin Panel* to view submitted and locked applications with ease to sort out applications eligible for next rounds.
  – Learned about time constraints, Handling many HTTP ERRORS caused by wrong server setup for unexpected large number of registrations and users on site.
  – Technologies used : PHP, MySQL

Other Personal Projects

Tee-Designer

http://github.com/2Wicklers/Tee-Designer Github Project

- – Customizable T-shirt and Hoodie designing interactive plugin.
  – Technologies used : Javascript/Jquery, PHP

Social-Login-Plugin

http://2wicklers.github.io/Social-Login-Plugin Github Project

- – An easy solution to integrate all social media authentication and user data retrieval.
  – Model View Controller based project.
  – Technologies used : PHP, MySQL, Facebook-PHP-SDK & Graph API v2.0

NotNewzz

http://notnewzz.com Website

- – Was part of a team and developed a funny video website (youtube videos).
  – Content management kind of system from scratch.
  – Technologies used : PHP, MySQL, Javascript/Jquery, HTML, CSS3

Extra Curricular Activities

- Participated in "One Week National Workshop on High Performance Computing" organised by *CDAC Pune, India* & *NIT Silchar, India.*

- Participated in "Microsoft India AppFest 2013" held at NIT Silchar.

- 3rd position in E-PLAN (event planing) competition in ISTE Technical week in collaboration with AIESEC.
- Member of AIESEC NIT Silchar (under AIESEC IIT-Delhi).
- Participated in TechFest Green Campus Challenge. Organized by TechFest 2013, IIT Bombay.
- 2nd position in WEBFLARE, web designing competition in institute's technical fest,Tecnoesis12.
- Attended workshop on Information Security and Cyber Forensics by ISTE and TechBharat.
- Warner Brothers Award for best in Designing and Graphics, in Higher Secondary School (Sunbeam School Lahartara, Varanasi).

Interests

- Learning and developing new technologies and platforms.
- Solving programming challenges.
- Developing new UI/UX for websites and web development plugins.
- Ethical Hacking.

Soft Skills

- Strong interpersonal and communication skills.
- Ability to learn and understand concepts quickly.
- Teaching assistant for college juniors.
- Mother Tongue(s): Hindi
- Other Language(s): English