Avanti Patil

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EDUCATION:

Northeastern University (NEU), Boston, MA   **GPA: 3.9/4.0   Sept 2014 - Present**

College of Computer and Information Science   Expected Graduation: Dec 2016

Master of Science in Computer Science

Related courses: Algorithms, Web development, Database Management, Human Computer Interaction, Advanced software development, Computer Systems

University of Mumbai, Mumbai, India   **June 2011**

Fr. Conceicao Rodrigues College of Engineering

Bachelor of Computer Engineering

Related courses: Data Structures, E-commerce, Computer Organization and Architecture, Distributed Operating System

TECHNICAL KNOWLEDGE:

Languages: Java, C, C++, Python, SQL, PL/SQL, Linux Scripting, HTML, JavaScript, PHP, JSP, Angular JS, Node.js, Bootstrap, C#

Frameworks: ASP.net, SQL Server, Message Passing Interface using TCP/IP and Shared Memory, Epsilon

Databases: Oracle 9i, Oracle 10g, MS SQL Server, XML, MS-Access, IBM DB 2, Mongo DB

WORK EXPERIENCE:

1. Northeastern University - *Teaching Assistant for Web Development (CS5610)*   **Jan 2015 - May 2015**

  - Helped with designing the course work, hosted TA sessions for problems solving on MEAN stack development

2. Code for Boston, MA, USA - *Web developer*   **May 2015 - Sep 2015**

   - Volunteered for designing and implementing a map based secure dashboard **Cornerwise** for keeping people updated about the zoning changes in MA using *HTML5, Bootstrap, backbone.js, leaflet*

3. VMware.inc, Cambridge, MA, USA - *Site Recovery Management Intern*   **May 2015 - Dec 2015**

   - Designed a new topology "Availably zone" to ensure multiple availability products of VMware can support the disaster recovery of the same VM.

   - Implemented this topology in Site Recovery Management 6.0 codebase as a proof of concept.

   - Won VMware Cambridge Poster Session Winner for Availability Zone

4. NSE Infotech Services LTD, Mumbai, India - *Associate System Analyst*   **Jul 2011- Jun 2014**

  - Designed and developed 3 projects for *Parallel Risk Management System Team* and awarded 2 recognitions

  - Mentored 3 campus recruits to help in learning the domain knowledge and technologies used in projects

  - Implemented risk management system for weekly expiry contracts using message passing interface in C and Oracle 10g

  - Optimized current system to get 50% increase in computing efficiency and 30% higher trade processing rate with MPICH2 and C.

ACDEMIC PROJECTS:

1. Social Networking for projectfeed1010 project (Python, Flask, MySQL, Neo4j)   **NEU, Boston, MA (Jan 2015 - May 2015)**

- Team Lead for Social Networking Team (6 people)

- Completed project in time by providing MVP (Minimal Viable Product) in every sprint

- Project was successfully executed on the day of presentation after releasing it to ~100 users for Beta testing

- Recognized for leadership skills by clients, team and Professor

2. Union Capitol Boston - A rewarding community (AngularJS, Material Design)   **NEU, Boston, MA (Sept 2015 - Dec 2015)**

- Designed and developed a mobile interface for the UCB community after carefully evaluating the interface with continues user feedback through iterating interview sessions and brainstorming with a team of 4.

- Creative ideas to help neighborhood and ability to build a collaborative bond with client and team was recognized.

INTERESTS AND ACTIVITIES:

- Founder and President of NU Grad Women Coders

- VMware Intern Prodigy (VIP) for Northeastern University

- J. R. D. TATA Scholarship for academic excellence, 3rd Rank in academics in Computer Department at Fr. C.R.C.E.

- Member of Women Connecting Women at VMware, Google Women Techmakers, Harvard - WE Code 2016