

Vishal Manghnani

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124-5 E Squire Drive Rochester NY 14623

(Available for Fall/Spring CO-OP/Internship 2015-16)

EDUCATION

MS IN COMPUTER SCIENCE

Expected May 2016 | Rochester, NY
Rochester Institute of Technology

BE IN ELECTRONICS AND TELECOMMUNICATION

May 2011 | Mumbai, India
Thadomal Shahani Engineering
College

LINKS

LinkedIn:// [VishalManghnani](#)

Github:// [VishalManghnani](#)

COURSEWORK

GRADUATE

Algorithms
Distributed Systems
Big Data

SKILLS

PROGRAMMING

Proficient

Java • JQuery • SQL(Oracle)

• Socket Programming

Python • C++ • JSP/Servlets

• HTML/CSS • R programming

• Unix Scripting

Familiar:

Android • Networking

Professional:

Agile • SCRUM Calls • E2E Development

• Code Review • Release Planning

EXPERIENCE

TECH MAHINDRA LTD. | SOFTWARE ENGINEER

July 2012 – July 2014 | Mumbai, India

- Co-Developed software applications for handling AT&T Retail Order.
- Supported E2E development activities following **Agile process**.
- Implemented & Unit Tested a web based application for the production support group using MVC architecture in **Java, JSP, JQuery and AJAX with Oracle database**.
- Proposed and lead the development of **Virtual Chat Agent using StanfordNLP and AIML** (Artificial Intelligence Markup Language).
- Initiated and documented the **Fullstack** implementation of Single Page Web application for responsive Web design using **MV* architecture in Javascript** with **NodeJS** and **MongoDB**.

RESEARCH

RIT RESEARCH LAB | RESEARCH ASSISTANT

May 2015 – Present | Rochester, NY

Worked with **Prof. Minseok Kwon** to implement an algorithm to reduce the bandwidth consumption for transmitting the high resolution 3D videos over the IP network.

ACADEMICS

GRADUATE PROJECTS

Peer to Peer Content addressable network

- Developed a Peer to Peer **Content addressable network** using **distributed hashtable** to store the peer information and to route to any peer efficiently
- Implemented communication between Peers using **Java RMI and socket Programming**.

Analyzing NYC 311 complaints data

- Analyzed the 311 complaints data by cleaning and preparing the data for predictive modeling.
- Reported the statistical analysis of the data using **Rattle and R programming**.

Distributed MapReduce Framework

- Designed and implemented **Distributed Map reduce** framework to run on local filesystem.
- Demonstrated the usage of **Distributed grep** using the framework.

Distributed Pub-Sub System

- Designed and implemented Distributed Pub-Sub system using Java and socket programming.
- Developed a GUI using Java Swing to demonstrate its functionality.

HONORS

2012 Letter of Appreciation during internal training TechMahindra Ltd.