http://jiten-thakkar.com

JITEN THAKKAR

(801) 230-5567
jitenmt@gmail.com

EMPLOYMENT

Software Developer | **Zapstitch Inc** | **May 14 – July 15**

- Joined startup at early stage and contributed towards development of a micro service approach based modular platform for data integration in Java Spring which led to recent funding of $2.5M

Software Developer | **Neptune IT GmbH** | **June 13 – April 14**

- Worked on banking solution for Home Savings bank using Java Spring MVC framework with Agile development techniques and TDD

Software Developer, Intern | **IBM Research** | **Jan 13 – Apr 13**

- Worked with Smarter Energy Group on Wattalyst(http://www.wattalyst.org/WattalystWebsite/index.html/) which aims to understand in what context and how would consumers reduce demand of electric energy
- Developed and used an efficient API which provides electric energy consumption data to created an easy to use interactive interface that encourages users to follow the suggestions related to usage of appliances

Software Developer, Intern | **Google Summer of Code for Mozilla** | **May 12 – Aug 12**

- Worked on a Networking tool called 'Networking Dashboard' for Mozilla Firefox as open source contributor, which displays statistical data about different network protocols of the browser that can be helpful for debugging performance and connectivity issues while web development
- The interface exposing this data is written in C++ and the Add-On demonstrating the use of this interface written in JavaScript

Software Developer, Intern | **MILLEE, Carnegie Mellon University** | **May 11 – Sept 11**

- Worked as J2ME programmer with Prof. Matthew Kam of Carnegie Mellon University and created games aimed at educational benefit of school children in rural India

EDUCATION

Salt Lake City, UT | **University of Utah** | **Fall 15 – Present**

- M.S. in Computer Science, August 2015
- Graduate Coursework: Distributed Systems, Big Data Computer Systems

Gandhinagar, India | **DA-IICT** | **Fall 09 – Autumn 13**

- B.Tech in Information and Communication Technology

TECHNICAL EXPERIENCE

Projects

- **IDS Pattern Matching in CUDA** (2015 - Current). Working on IDS packet pattern matching in NVIDIA CUDA framework for snap (https://github.com/wbsun/snap) which a parallel packet processing engine derived from click. The goal is to achieve performance improvement for packet processing using GPU processing power.
- **Kernel Module Analysis** (2015 - Current). Working on software analysis of kernel modules for finding possible bugs using software analysis tool SMACK (http://soarlab.org/research/projects/) which is a bounded software verifier.
- **Sharded Key/Value Service** (2015 – Current). Developing paxos based persistent sharded Key/Value service as part Distributed Systems class.

Languages and Technologies

- C, Java, C++, Go, Python, Javascript
- Spring MVC, Spring MVC, Spring Data, Angular JS, Maven, Spark, Nvidia CUDA