http://jiten-thakkar.com

JITEN THAKKAR

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EXPERIENCE

Research Assistant — **School of Computing, University of Utah** — **Jan 16 – Present**

- Working on NSF funded project Deker to formally verify commodity Kernel modules using Bounded verification tool SMACK (https://github.com/smackers/smack)

Software Developer — **Pipemonk (Formerly Zapstitch)** — **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 allowed easy and fast integration of different data sources to the platform
- This development led to latest funding round of $2.5M

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

- Developed banking solution for Home Savings bank using Java Spring MVC framework with Agile development techniques

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

- Developed an efficient API which provides electric energy consumption data to create an easy to use interactive interface that encourages users to follow suggestions related to usage of appliances
- 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

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

- Created 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 helped debugging web service performance and connectivity issues
- The interface exposing this data is written in C++ and the Add-On demonstrating the use of this is interface is written in JavaScript

EDUCATION

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

- M.S. in Computer Science — GPA: 3.73/4
- 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

- **Stock Prediction –** Applied sentiment analysis techniques to stock related news articles to suceessfully predict stock market trends
- **IDS Pattern Matching in CUDA –** Performed performance comparison between string searching algorithms Aho-Corasick and Knuth-Morris-Pratt algorithms on GPU parallel computing platform CUDA
- **Sharded Key/Value Service** – Developed Paxos based persistent sharded Key/Value service as part Distributed Systems class.

Languages and Technologies

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