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JITEN THAKKAR

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EDUCATION

Master of Science in Computer Science   Fall 2015 – Spring 2017
University of Utah, Salt Lake City, Utah   GPA: 3.73/4
Graduate Coursework: Distributed Systems, Big Data Computer Systems, Parallel Programming, Rigorous System Design

B.Tech in Information and Communication Technology   Fall 2009 – Autumn 2013
Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India   GPA: 6.43/10

EXPERIENCE

Research Assistant, School of Computing, University of Utah   Jan 2016 – Present
- Working on NSF funded project Deker to formally verify commodity Kernel modules using Bounded verification tool SMACK (https://github.com/smackers/smack).

Software Engineer, Pipemonk (Formerly Zapstitch)   May 2014 – July 2015
- Joined startup as back-end developer at early stage and contributed towards development of a micro service approach based modular platform for data integration in Java Spring framework. This allowed easy and fast integration of different data sources to the platform and target larger group of customer base.
- This development work led to latest funding round of $2.5M.

Software Engineer, Neptune IT GmbH   June 2013 – April 2014
- Developed banking solution for Home Savings bank using Java Spring MVC framework with Agile development techniques.

Software Developer Intern, IBM Research   Jan 2013 – Apr 2013
- 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 Project Wattalyst (http://goo.gl/qV18Yi) which aims to understand in what context and how would consumers reduce electric energy demand.

Software Developer Intern, Google Summer of Code for Mozilla   May 2012 – Aug 2012
- 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 page 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.

TECHNICAL EXPERIENCE

Projects
- **Stock Prediction** – Applied sentiment analysis techniques to stock related news articles to successfully predict stock market trends. Used Apache Spark for big data processing. **Project** Report: https://goo.gl/EEszfN
- **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 in Go as part Distributed Systems class.

Programming Languages and Technologies
- Java (2 yrs exp), C (1 yr), C++ (1 yr), Go (<1 yr), Python (<1 yr), Javascript (<1 yr)
- Nvidia CUDA, LLVM, Apache Spark, Spring MVC, Spring MVC, Spring Data, Angular JS, Maven, AWS
- Unix (5 yrs experience), Windows