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RAKESH GANAPATHI KARANTH

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EDUCATION

University of California, San Diego   **Expected 2017**

M.S in Computer Science and Engineering
Currently enrolled in the following courses for the Fall Quarter 2015

1. CSE 202 – Design and Analysis of Algorithms
2. CSE 210 – Principles of Software Engineering
3. CSE 222a – Computer Communication Networks

B.M.S College of Engineering, India   **Received 2012**

B.E in Information Science and Engineering
Graduated with a GPA of **9.51 / 10**

TECHNICAL SKILLS

C++	Python	MySQL	HTML	JavaScript	Java	CouchDB
Cassandra	MapReduce	Shell Scripting	ZooKeeper			

EMPLOYMENT

Level 1 Software Engineer   **Akamai Technologies Inc. India**   **06/2012 – 07/2015**

1. Worked on Analytics products based on the MapReduce design paradigm like Historical Reporting, Real Time Processing and the Billing Framework.
2. Helped develop a service that collected all access requests to a customer's website and stored them in Apache Cassandra. This could be used to extract useful metrics like Geo-Location and IP Address in case the customer's website was under attack.
3. Developed a service that could be used to distribute configurations and control program behavior at a machine level
4. Developed an interface similar to cron that could be used to execute commands at a machine level with the added advantage of being able to control the input and the output of each of these command at run time through the push of a configuration file.
5. Won the Spot Award at Akamai for rising up to the occasion to prevent a major incident by correcting the load-distribution logic to prevent individual machines receiving traffic bursts.
6. As a part of the new-hire mentoring program helped 3 new recruits understand team dynamics and got them up to speed in a span of 3 months.

Intern   **Akamai Technologies Inc. India**   **01/2012 – 05/2012**

1. Observed and learned how a software company works as a part of the academic to industry transition.
2. Was asked to learn how one could monitor analytical and distributed networks. I accomplished this by writing several tools. The most prominent ones being
   a. File and directory polling to detect backlog in important directories.
   b. Detect significant changes in metrics and dimensions of important customers over a period of time and report such changes.

TRAININGS COMPLETED

Test Driven Development	How to be a professional	Scrum Training

AWARDS

1. One of the winners of the Akamai Bangalore Hackathon for designing and successfully completing the project – "Logs on the Browser"
2. Awarded student of the year – 2006 while in high school