

CURRICULUM VITAE

Amita Sharma

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Objective

To synergize and integrate the learning from the premier academic institute with the emerging trends and opportunities available in the corporate world of IT.

Education

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|----------------|---|
| 2013-16 | Indian Institute of Technology Bombay
Powai (Mumbai)
PhD (Pursuing), Computer Science and Engineering
- CPI 8.00/10 (till date) |
| 2010-12 | Dhirubhai Ambani Institute of Information and Communication
Technology
Gandhinagar (Gujarat)
M.Tech, Information and Communication Technology
- CPI 8.30/10 |
| 2005-09 | Stani Memorial College of Engineering and Technology
Jaipur (Rajasthan)
B.Tech, Computer Science
- 76.04 % (Honours)(aggregate) |
| 2004-05 | Gandhi Nagar Girls School, Jaipur (Raj.)
Rajasthan Board
- 74.92 % (aggregate) |

Skills

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|-----------------------------------|--|
| Area of Interest | Software Architecture, Software Restructuring, Software Structure
Analysis |
| Programming
Language | C, C++, Core JAVA |
| Tools and
Technologies | Linux Operating System, IBM-RAD, MS-office, Latex tools, Drawing
tools, Performance analysis tools (Apache JMeter, Tsung, httperf,
Sieze), XML, HTML & CSS |

- | | | |
|-----------------|--|----------------------------------|
| Training | RedHat Linux
Guide: Rajesh Shethi
A project to learn how to configure servers and clients to work with
LAN Network. | (July, 2007)
Team Size - Four |
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Projects

Three-tier Architecture: (Aug,14 - Sep,14)
Guide: Prof. Rushikesh K. Joshi Team Size-Two
This project includes building a three tier architecture to understand various aspects of software architecture like, C&C diagrams, CCS, LTS, Pattern Diagrams, etc.

Performance Evaluation of Virtual Ring Routing (VRR) Protocol: (Sep,13 - Nov,13)
Guide: Prof. Varsha Apte Team Size-Two
Simulated a published paper to analyze different performance metrics by studying the effect of varying network or varying traffic (keeping another constant).

MTech Thesis: Reducing Climate Vulnerabilities of Cotton Farmers in Banaskantha (North Gujarat) (May,11 - July,12)
Guide: Prof. Sanjay Choudhary Team Size-One
This research work is carried on real agro-climatic data of Banaskantha District, to help cotton farmers and reduce effect of vulnerabilities on cotton.

Internet Banking (Jan,11 - Feb,11)
Guide: Prof. Sanjay Choudhary Team Size-One
Project is designed with the help of IBM-RAD to perform online banking tasks like checking account balance, calculating interest on your bank account.

Core-Based Tree (Oct,10 - Nov,10)
Guide: Prof. Sanjay Srivastava Team Size-Three
Research paper on a multicast routing protocol with core based tree technique to find optimal path for multicasting and dealing with core failures.

Positions of Responsibility

Junior Research Fellow (JRF) for Research Project "Service Oriented Architecture for spatial data integration and spatial reasoning" (Oct,11 - July,12)
Teaching Assistant of computer networks (Aug,10 - Dec,11)
Teaching Assistant of Data Structures, Mobile computing, C and C++ (July,13 - Oct,14)

Awards and Achievements

RedHat Certified Engineer(RHCE)

GATE 2010 score: 600

Published Paper: co-author in Spatial Analysis for Generating Recommendations for Agricultural Crop Production, ICGTA conference, IIT Bombay, Apr-2012

Declaration: The above information is correct to the best of my knowledge.

-Amita Sharma
Dt. October 20, 2016