

# VIPIN SHARMA

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## EDUCATION

MS Computer Science,  
North Carolina State  
University, Raleigh, NC.

**Expected: Dec 2016**

**GPA: 3.66/4.00**

B.Tech. Computer Science,  
Maharaja Surajmal Institute  
of Technology, India.

**2006-2010**

**Percentage: 78.62%**

## COURSEWORK

- Data Intensive Computing
- Machine Learning
- Operating System
- Parallel System
- Graph Theory
- DBMS

## SKILLS

Proficient in

- Java • C • Android
- Linux • Hadoop YARN
- Gradle • Maven • Git
- Vim • LaTeX

Familiar with

- HTML • CSS • JavaScript
- CUDA

## AWARDS

2014

Employee of Month  
Samsung India R&D

2012

Spot Award  
Samsung India R&D

## EXPERIENCE

### Amazon

Software Development Engineer Intern

May 2016 – Jul 2016

- Implemented Amazon gift cards batch jobs in workflow environment.

### Snapdeal India

Software Engineer II

Apr 2015 – Jul 2015

- Implemented **order management** in Android seller application.

### Samsung India R&D

Lead Engineer

Apr 2014 – Mar 2015

Senior Software Engineer

Apr 2013 – Mar 2014

Software Engineer

Sep 2011 – Mar 2013

- Developed **Transcode framework** for Samsung smartphones.
- Framework can resize, trim videos, add audio, and create videos from images.
- Used OpenGL, and Android's MediaCodec APIs in the framework.
- Developed **Video Editing, and Video Highlights** application for Samsung flagship smartphone models on Android platform.

### Tata Consultancy Services

Assistant System Engineer

Nov 2010 – Aug 2011

- Developed **Pair to Share** application to transfer files between two Android phones by bumping them.

## PROJECTS

### My MPI Library

Feb 2016

- Developed a library in C using sockets for distributed message passing similar to Open MPI.

### Distributed GA Framework on Hadoop YARN

Dec 2015

- Developed a distributed Genetic Algorithm framework.
- Framework runs on Hadoop YARN.

### Linux Thread Library

Oct 2015

- Implemented user level thread library for Linux OS.
- API is based on POSIX standard with create, join, destroy, self, yield.
- Synchronization mechanism is provided using its own mutexes, conditions, and barriers.

### Fuzzy Logic for Querying Database

Mar 2010

- Implemented SQL queries in fuzzy format for retrieving data from a XML database.