

VIPIN SHARMA

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EDUCATION

MS Computer Science,
North Carolina State
University, Raleigh, NC.
Expected: May 2017
GPA: 3.78/4.00

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

CUDA • HTML • CSS •
JavaScript

AWARDS

2014
Employee of Month
Samsung India R&D

2012
Spot Award
Samsung India R&D

EXPERIENCE

Snapdeal India

Software Engineer II

Apr 2015 – Jul 2015

- Worked on Snapdeal's Seller Zone application on Android.
- Implemented **order management** in Android 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.
- User 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

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.

PattExp

Aug 2009

- Implemented tool to display concept lattice and matrix using formal concept analysis on CPP source code files.