

# ANSHUL GUPTA

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## ACADEMIC DETAILS

Year	Degree / Certificate	University / School	CPI / %
2019 (expected)	M. Tech (Computer Science and Engineering)	IIT Bombay	–
2015	B. Tech (Computer Science and Engineering)	The LNM IIT, Jaipur	7.59 / 10
2011	Class XII (CBSE)	Maheshwari Public School, Jaipur	82.00 %
2009	Class X (CBSE)	Maheshwari Public School, Jaipur	86.00 %

## FIELDS OF INTEREST

- Artificial Intelligence
- Distributed Computing
- Performance Benchmarking

## SUMMER INTERNSHIPS

Ecole Normale Supérieure de Lyon, France (INRIA)

(May'14 - Jul'14)

Analysis and Extrapolation of CPU Processing Rate of Simulation of Parallel Applications<sup>[1]</sup>

- Studied the behavior of combination of two tools Scalatrace and Simgrid for the offline performance analysis of MPI applications and developed original extrapolation method to improve the accuracy of the simulated results.
- Analyzed Time Independent traces acquired on Grid'5000 of NPB Benchmarks for different problem sizes to find a pattern for extrapolation of CPU rate.

Indraprastha Institute of Information Technology, Delhi

(May'13 - Jul'13)

Performance analysis and Optimization of Hadoop based cluster

- Identify various parameters which affect the execution of a job on Hadoop Clusters and design a framework to execute the jobs on the given cluster.
- Configured Hadoop based cluster and optimized its performance by varying multiple configuration factors and schedulers and executed Map Reduce tasks on it to bring it to an optimal state.

## MAJOR PROJECTS

<sup>1</sup><https://github.com/anshulgupta0803/scalatrace-ti>