



Pragya Gangber
Computer Science & Engineering
Indian Institute of Technology Bombay
Specialization: Computer Science and Engineering

143050069
M.Tech.
Female
DOB: Apr 26, 1992

Examination	University	Institute	Year	CPI / %
Post Graduation	IIT Bombay	IIT Bombay	2016	7.59
Undergraduate Specialization: Computer Science and Engineering				
Graduation	CSVТУ	SSCET	2013	8.65

Academic Achievements

- Achieved **99.79** percentile in computer science GATE 2014 out of 15.5k student appeared
- Obtained **scholarship** for BE programme from SSCET(CSVТУ) Bhilai Chhattisgarh

Fields of Interest

Algorithms and Data Structure, Computer Networks

M.Tech. Seminar

- **Distributed Networking and online Algorithms** [Jan'15-Apr'15]
 (Guide : Prof. Nutan Limaye)
 - Studied communication and in-network computation in wired network using different approaches.
 - Analysed various issues and challenges related to in-network computation
 - Studied the challenges in communication in wireless network and analysed the communication complexity.
 - Analysed different approach to find the efficient one for communication in wireless network.

M.Tech. Project

- **Analysis and Design of Map-reduce algorithm for streaming data** [May'15-till date]
 (Guide : Prof. Nutan Limaye)
 - Objective is to design an efficient map-reduce algorithm for streaming data using the concept of traditional non-streaming map-reduce algorithm in hadoop.
 - Initial work includes the implementation of existing algorithm in hadoop for efficient analysis of data.
 - Multi-cluster hadoop setup for data-node and name-node is used for this purpose.
 - Design and analysis of possible hybrid approach of traditional and streaming map-reduce algorithms.

Course Projects

- Automation and analysis of NS-3 simulation for different configuration [Software Lab]
- Literature survey and class presentation on Recognizing well balanced parenthesized expression with high probability of correctness in streaming data [Applied Algorithm]

Positions of Responsibility

- **Computer Secretary** in Hostel-11 council IIT Bombay [Apr'15-till-date]
 - Responsible for handling Wi-Fi and LAN related issue
- **Teaching Assistantship, IIT Bombay:**
 - Database Management System [with Prof. N.L. Sarda, Jul'14-Nov'14]
 Managed the allocation of student to TA for project evaluation and evaluated course project of students.
 - Computer Programming and Utilization as JTA [with Prof. Kavi Arya, Jan'15-Apr'15]
 Evaluated the assignments of students and guided them in their course project.
 - Computer Programming and Utilization as STA [with Prof. Varsha Apte, Jul'15-till-date]
 Supervision of lab of 100 students, guiding and helping the students.

Technical Skills

- **Programming Languages** : C, C++, Bash Unix Shell Scripting, Python
- **Tools** : Gnuplot, Pypplot, Git, L^AT_EX

Extra-Curricular Activities

- Participated in the **PG Culture** Phase-I and Phase-II event at **IIT BOMBAY** [2014-2015]
- Participated in **PG Sports** Tug of war at **IIT BOMBAY** [2014-2015]
- Participated in **Regional level KHO-KHO** held at JNV Cuttak(Orissa) [2007-08]
- Participated in school level **NSS camp** in Barsoor Dist-Dantewada(C.G.) [2008-09]
- **Hobbies:** Drawing, Playing Badminton, Listening music, watching movies