



**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<sup>A</sup>T<sub>E</sub>X

### 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