Pragya Gangber | **143050069**
Computer Science & Engineering | **M.Tech.**
Indian Institute of Technology Bombay | **Female**
Specialization: Computer Science and Engineering | **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	CSVTU	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(CSVTU) Bhilai Chhattisgarh

Fields of Interest

Algorithms and Data Structure, Computer Networks

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.

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 challanges related to in-network computation
  - Studied the challanges 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]*
- Litrature survey and class presentation on Recognizing well balanced parenthesized expression with high probability of correctness in streaming data *[Applied Algorithm]*

Technical Skills

- **Programming Languages** : C, C++, Bash Unix Shell Scripting, Python
- **Tools** : Gnuplot, Pyplot, Git, LaTeX

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