

Kanak Agrawal
BTech 2nd Year
Room No.35, Hostel 6
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ACADEMIC ACHIEVEMENTS

- Secured **All India Rank 10** in JEE Main 2015 among 1.3 million candidates.
- Secured **All India Rank 42** in JEE Advanced 2015 among 150 thousand candidates.
- Scored **420** marks out of **450** in Birla Institute of Technology Pilani Admission Test.
- Scored **96.15%** in Maharashtra State Board(HSC) in Std.12th.
- Scored **92.18%** in Maharashtra State Board(SSC) in Std.10th.

PROJECTS

Polynomial Class

Autumn 2015

Prof. Varsha Apte

IIT Bombay

- Implemented a command-line Polynomial Class in C++ with all basic operations of polynomial like addition, multiplication, integration, differentiation, etc.
- Designed and implemented root function which returns all real roots of the polynomial.
- generated graph of polynomial functions using simplecpp library.

Gesture controlled computing

Summer 2016

Institute Technical Summer Project

IIT Bombay

- Developed an algorithm to recognise hand gestures.

- Used image processing to map the gestures to their corresponding implementations.
- Implemented applications such as pause, play and move to next song in podcast, open google chrome and go directly to facebook or youtube.

COURSES

CORE COURSES

CS 101
CS 152
CS 154
CS 207
CS 213
CS 215
CS 251
CS 293
EE 101
MA 105
MA 106
MA 108

NON-CORE COURSES

CH 105
PH 107
CH 107
PH 108
PH 117
BB 101
ME 113
CH 117
ME 119
MG 401

POSITION OF RESPONSIBILITIES

Department Alumni Secretary

Student Alumni Relationship Cell, IIT Bombay

- Organized **Core Weekend**, SARC event in which an alumni gives talk to department students.
- Worked in Industrial Learning Programme (ILP) - a new initiative of SARC which provides projects to students from alumni presently working in industry.
- Help the department council in all department events.

EXTRA - CURRICULAR ACTIVITIES

- Secured **5th position** in xlr8 bot-making competition organised by Robotics Club IIT Bombay.
- Made a game on python for gamejam competition in a team of four.
- Participated in Cyclothon a 13 km cycling event conducted by Tech-fest, IIT Bombay.

*“Maturity doesn’t means age, it means sensitivity
manners and how you react.”*

-Anonymous