



**Badam Vijayanand**  
**Chemical Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: Chemical Engineering**

**09D02034**  
**UG Third Year(Dual Degree )**  
**Male**  
**DOB: 19/03/1991**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.37

### Scholastic achievements

- Secured 4205 rank in IIT-JEE Exams 2009 among 3,50,000 candidates .
- Selected among the top 0.1% of the 0.8 million students that appeared for All India Engineering Entrance Examination 2009.
- Won at State Level 15th Ramanujan Ganit Award ,Andhra Pradesh , 2004.
- Scored 100% in Mathematics in 11th and 12 th Board .(2007-2008).
- Won Mathematics Quiz at School level ,2006

### Academic Projects

- **Sulphuric Acid Plant Analysis** guide:Prof.S.Mahajani  
Designed a presentation and a report on the large scale production of Sulphuric Acid in **Rashtriya Chemical fertilizers Ltd**, Mumbai.(Feb-March 2010)
- **Molecular simulations:**  
Wrote programs on based on Metropolis monte colro methods and conducted simulations in various ensemble in group of five.(March-April 2010-2011)
- **Mini National Unique Identity for IIT Campus students (guide prof . D.B. Phatak) [2009]**

### Technical skills

- Programming languages : C/C++ , Scilab and Matlab,
- Software proficiency MS Office , Office Libre, L<sup>A</sup>T<sub>E</sub>X.
- Operating system : Windows , Linux.

### Courses covered

- **Corecourses:** Introduction to Chemical Engineering , Solid Mechanics, Introduction to Transport Phenomena, Advanced Trasport phenomena, Chemical Engineering Thermodynamics, Heat and Mass Transfer, Process fluid mechanics, Numerical analysis, Chemical Engineering Laboratory,I and II , Molecular and Statistical Thermodynamics, Chemical Reaction Engineering I and II,Mass Transfer Operations, Material science.
- **Other courses:** Introduction to Electrical and Electronic circuits, Molecular Cell Biology, Data Analysis and Interpretation, Modern Physics, Complex Analysis, Ordinary and partial differentiation, Linear Algebra,Calculus, Chemistry, Chemistry lab, Physics lab, Experiment and measurement lab,Economics , Sociology,Engineering drawing, Introduction to C++ etc

### Other Intrests :

Biology , Programming,Playing Chess and Exploring.