



**Sukrant**  
**Chemical Engineering**  
**Indian Institute of Technology Bombay**

**120020084**  
**UG Second Year**  
**Male**  
**DOB: 13/09/1994**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	7.75
Intermediate/+2	CBSE	GMSSS-16 Chandigarh	0	95.80
Matriculation	CBSE	GMSSS-16 Chandigarh	0	9.60

### **KEY SCHOLASTIC ACHIEVEMENTS:**

- All India Rank 1097 in IIT-JEE 2012 among 0.5 million candidates.
- All India Rank 1106 in AIEEE 2012 among 1.3 million candidates.
- CBSE Merit Certificate in Chemistry for being among top 0.1% candidates in India in AISSCE-2012.
- NSEC Certificate of Merit for being placed among top 1% candidates state-wise in Regional Chemistry Olympiad.
- Pursuing a Minor in Electrical Engineering.

### **KEY PROJECTS UNDERTAKEN:**

- **SULPHURIC ACID PRODUCTION ANALYSIS** [Spring 2013] (Guide: Prof. Sanjay Mahajani)
  - Studied the design and working of Sulphuric Acid Plant.
  - Did the material balance of the plant and determined its efficiency.
  - Visited Rashtriya Chemicals and Fertilizers Ltd., Chembur.
- **C++ COURSE PROJECT** [Spring 2013] (Guide: Prof. Sridhar R. Iyer)
  - Created Snake game using C++.
- **SCRATCH COURSE PROJECT** [Spring 2013] (Guide: Prof. Sridhar R. Iyer)
  - Created game using Scratch.

### **COURSES UNDERTAKEN:**

- **CHEMICAL**
  - Introduction to Chemical Engineering, Solid Mechanics, Transport Phenomena, Chemical Engineering Thermodynamics, Chemical Reaction Engineering, Fundamentals of Heat and Mass Transfer, Process Fluid Mechanics and Molecular and Statistical Thermodynamics (Honor).
- **NON-CHEMICAL**
  - Signals and Systems (Minor), Probability and Random Processes (Minor), Calculus, Linear Algebra, Differential Equations, Complex Analysis, Data Analysis and Interpretation, Computer Programming and Utilization, Modern Physics, Economics, Engineering Drawing, Workshop Practice and Environmental Studies.

## **EXTRA CURRICULAR ACTIVITIES:**

- **TECHNICAL:**

- Designed a Wireless RC car.
- Designed a Line-follower robot using Arduino board, IR sensors and LEDs.

- **SOCIAL:**

- Got certificate of appreciation from Department of Transfusion Medicine, Govt. Medical College and Hospital Chandigarh for motivating people for Blood Donation.
- Worked for NGO Chhoti Si Asha (2010-2011).
- Was part of NSS team at GMSSS-16 Chandigarh (2010-2011).

- **QUIZZING:**

- Secured 1<sup>st</sup> position in SCIMAT Science Quiz (2008).
- Secured 2<sup>nd</sup> position in ECO-Quiz (2009) conducted by SAMPADA, Eco Club of DAV School Chandigarh.
- Awarded certificate of appreciation for participation in Sri K.J. Khalsa Memorial Inter School Quiz Competition (2009).

- **SPORTS AND CULTURAL:**

- Completed an audit course in Music (NSO 2012-2013).
- Represented Ferozepur District (Punjab) in **state level** U-17 hockey tournament (2008).

## **POSITION OF RESPONSIBILITY:**

- Worked as Organiser (Hospitality Department) in Mood Indigo-2012.
- Worked as Organiser in (Infra Department) Techfest-2013.
- Worked as Organiser in Azeotropy-2013 (Annual Chemical Engg. Festival).

## **TECHNICAL SKILLS:**

- **Programming Language:** C/C++
- **Software:** MATLAB, Scilab, MS Office, Sony Vegas and Adobe Photoshop.
- **Operating System:** Windows, Linux.

## **INTERESTS:**

- **Academic:** Fluid Mechanics, Number Theory.
- **Others:** Coding, Puzzle Games, Quizzing, Photography, Music, Cricket.