



Sajiv Chandra
Mechanical Engineering
Indian Institute of Technology, Bombay

08010052
UG Third Year (B.Tech.)
Male
DOB: 09/05/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.21
Intermediate/+2	CBSE	K.V.Minambakkam	2008	95.40
Matriculation	CBSE	K.V.Minambakkam	2006	97.00

EXPERIENCE

QUETZAL ONLINE PRIVATE LIMITED

- Worked on content development in the educational services space. Was also a part of the management of the review and feedback process.
- Was commended for high quality of work and delivering results as per commitment.

SCHOLASTIC ACHIEVEMENTS

- Cleared the **Indian National Maths Olympiad (INMO-2007)**, and attended the **International Maths Olympiad Training Camp** at BARC, Mumbai for two successive years in 2007 and 2008.
- Recipient of the **National Talent Search Examination (NTSE)** scholarship.
- Secured an **All India Rank 204** in the IIT Joint Entrance Test (IITJEE-2008).
- Secured **All India Rank 22** and Tamil Nadu **State Rank 1** in the All India Engineering Entrance Examination (AIEEE – 2008). Recipient of the CBSE Merit Scholarship for Professional Studies.
- Ranked in the top 1% in the **National Standard Examination for Physics (NSEP)**, and for **Chemistry (NSEC)**.

ACADEMIC PROJECTS

- Developed an algorithm for describing the **turbulent flow** of a coolant through a channel with any number of passes using numerical methods under the guidance of Professor R.P. Vedula.
- Studied the pressure measurements by **pneumatic pressure probes** and its calibration and error analysis under Professor R.P. Vedula of Mechanical Engineering Department.
- Analysed materials suited for construction of an **aircraft landing gear**, under the guidance of Professor G.V. Prabhugaonkar of Metallurgy and Material Sciences Department.
- Demonstrated the mathematical applications of the technique of **Particle Swarm Optimisation** through a C++ program.

POSITIONS OF RESPONSIBILITY

SPORTS SECRETARY, HOSTEL 4

(2009-2010)

- Responsible for the organising intra-hostel sports activities in a hostel of 600 students and coordinating hostel participation in more than 15 different inter-hostel sports championships.
- Instrumental in bringing more organisation to the method of working of the sports council and ultimately **victory in the overall Sports General Championship**.

COORDINATOR, MOOD INDIGO 2009

- Organised successfully the event 'Capoeira' which is an Afro-Brazilian art form that combines elements of music, dance and martial arts.

COORDINATOR, TECHFEST 2010

- Coordinated the competition 'Utkarsh', which was related to development of rural technologies.

EXTRACURRICULAR ACTIVITIES

- Reached the India **finals** of the A.N.T.Z. competition at **Techfest 2010**. The competition was based on **Swarm Robotics**, where two machines coordinate with each other (wireless communication) to complete the given task in minimum amount of time.
- Received a **special mention** in sports for representing the hostel in Table-tennis, Tennis and Badminton.

MISCELLANEOUS:

- Participated in the Nurture Program organised by **National Board for Higher Mathematics**. The program included concepts like **Group Theory, Real analysis, Topology and Linear Algebra**.
- Student member of the **Institute of Actuaries of India**.