Satya Praneeth Repaka			09004072	
Civil Engineering			UG Third Year (B.Tech.)	
Indian Institute of Technology, Bombay			Male	
			DOB: 17th March 1992	

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.44
Intermediate/+2	BIE, Andhra Pradesh	Vijaya Ratna Junior College	2009	91.70
Matriculation	CBSE	Hyderabad Public School	2007	81.40

PROFILE

Strong analytical skills and good academic track record with interests in technical design and innovation.
Leadership and team-work experience in different roles with emphasis on collaboration, communication and initiative.
Strong background in sports and ability to deliver under pressure.

LEADERSHIP AND ORGANIZATIONAL EXPERIENCE

MANAGER, EVENTS TECHFEST 2012, IIT BOMBAY [April 2011-Till date]

Part of 22 Core Group member team, responsible for overall conceptualization and planning Techfest, Asia's largest science and technology festival.

Initiatives	• **International Robotics Challenge**, a Grid Solving Competition with zonal rounds.
	• **Ideate**, a National Level Symposium Competition divided into 4 Journals being Earth, Elixir, Utkarsh and Inspire India.
Lecture Series	• Responsible for holding **Lecture series** during **Techfest 2012**.
	• Invited key note speakers, negotiating with them to deliver a talk for free.
Competitions	• Handled the whole **of south zone** for International Robotics Challenge, Nexus The Indian Leg.
	• Designed Problem statements for competitions, by optimizing difficulty level and participation.

VICE CAPTAIN, SWIMMING TEAM, IIT BOMBAY [June 2010-Till date]

- Organized **trials** to **select** the IIT Bombay **team** for Inter IIT Aquatics 2010 held at IIT Roorkee; planned the role of each of the team members to maximize the overall points and medals.
- **Mentored** freshmen with their swimming skills and arranged a special sports diet.

TECHNICAL SECRETARY, HOSTEL-4, IIT BOMBAY [Apr 2010-Mar 2011]

- Awarded Organizational **Special Mention** and rated at 3.75/5, third best rating in the hostel council of 31.
- Hostel **secured an** overall **2nd position** in the Technical General championship, the best in the championship.
- **Initiated the Tech-Mentorship** program in the hostel, which **allocated** one mentor each to twenty freshmen to guide them in technical events throughout the year.
- Part of **Technic Club,** IIT Bombay, and was involved in designing Problem statements and identifying loop holes.

ENTREPRENEURIAL AND INDUSTRIAL EXPERIENCE

MUMBAI ROBOCHAMP [Dec 2010]

- **Collaborated** with 21st Century Teaching, **a startup by IIT alumnus** to conduct a series of workshops in five schools in Maharashtra to introduce the high-school children to robotics.
- Conducted **competitions** to **motivate** them further in this field. This also turned out to be a great **Marketing strategy** for their further growth in the Mumbai region.

INDUSTRIAL EXPOSURE

- **Anjani Portland Cement Ltd**- Studied the manufacturing process of cement and participated in the **cost audit**.
- Studied various aspects of building under construction and learnt about innovative construction techniques.

EXTRA-CURRICULAR ACTIVITIES

- **Institute Sports Color**, 2009-10 for **excellence** in sports at IIT Bombay, **awarded to only 11** among **5000** students.
- Hostel **Technical Color**, 2010-2011 for excellence in Technical Activities, awarded to only 4 among 600 students.
- Hostel **Sports Color**, 2010-2011 for excellence in sports at IIT Bombay, awarded to only 6 among 600 students.

- **Highest medal winner of IIT Bombay** with **3 Silver**, **2 bronze** medals in Inter IIT aquatics 2010 and **2 Silver**, **3 bronze** medals in 2009, leading IIT Bombay to **overall second position** in the Swimming Championship.
- Secured **first position** in **Swimmathon** 2010 by **swimming continuously for 12 hours** covering a total distance of **27.5 km** and **24 km** in 2011.
- Won **3 National** level, over **10 State** level and **40 District** level **medals** in Swimming at school level.
- **Captained** the hostel **water polo team** and led the team to **Gold** in the overall Championship.
- Secured **Gold and Bronze** respectively in the individual **Triathlon** at IIT Bombay (2011 and 2010).
- Won a **Gold medal** in the Inter hostel swimming general championship and was responsible for the **hostel** winning the **second position** in the **championship**.
- **Finalist**, 3rd position winner in CivIQ, Quizzing Competition at Aakaar-2011 (Dept. of Civil Engineering, IIT Bombay).
- **Interests**- Innovation, Design and Learning, Web designing.

ACADEMIC ACCOLADES

- Secured **6th rank** in the state **Maths Olympiad** in 2006**.**
- Among **India's top 60 students** qualified for the personal interview by the **Indian Statistical Institute** (ISI), Kolkata, 2009.
- Secured a rank of **1274**(top 0.3%) in IIT-JEE 2009 and a rank of 3912 (top 0.4%) in AIEEE.
- Recipient for **scholarship from T.I.M.E** institute for exemplary performance in IIT-JEE.
- Merit award for **excellence in academics** at school in 2002.
- **Outstanding performance** award at school level for exemplary **all round performance** in **academics and sports**.
- **Only candidate** from school to qualify for the final level of Tamil Nadu state **Maths Olympiad**, 2007.

ACADEMIC PROJECTS

HUMAN COMPUTER INTERACTION, Guide: Prof. Anirudha Joshi   [Jan 2011-Apr 2011]
- Designed a whole new interface of Social Networking Website for entrants of a college, which included all the necessities of students. Ex: Shout box, Gaming Chat etc.

HIGHWAY ENGINEERING, Guide: Prof. P Vedagiri   [Dec 2010]
- **Studied** the various geometric designs of highways worked with MXRoad, a String-based Modeling for Road and Highway Design.

FINGERPRINT MATCHING, Guide: Dr. Deepak B. Phatak   [Oct 2009]
- Developed a code using **core concepts of C++** for **Consolidation and Classification of data** that is acquired from the registration of the finger prints with the finger print sensor and secured a score of 96% in the project.

LINE FOLLOWER BOT   [Oct 2009]
- **Built** the autonomous **Line follower** (follows a black line on a white floor)car for competition at institute level.

STRUCTURES OF BRIDGES AND TRUSSES
- **Designed** tower-crane with Popsicle sticks that was able to hold a load of 8kg with least deflection at Techfest-2011.
- Won 1st position in Bridge IT, software based bridge design competition at Aakaar-2011.

ADDITIONAL AND COMPUTATIONAL SKILLS

- Pursuing **minor degree in Design** at Industrial Design Center, one of the **best design schools** in the world.
- **Programming Languages:** Python, C++, HTML, Scilab, MATLAB.
- **Application Software:** MS Office, MXRoad, Solid Works, Latex, Google SketchUp.
- Completed courses in **Calculus, Linear Algebra, Differential Equations** and Data **analysis and Interpretation**.