



Shaily Garg
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: None

110040013
UG Second Year
Female
DOB: 06/06/92

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	8.07
Intermediate/+2	CBSE board	St. Mary's Convent Sr. Sec. School,Ajmer	2010	85.09
Matriculation	CBSE board	Lawrence and Mayo Public School,Ajmer	2008	84.60

SCHOLASTIC ACHIEVEMENTS

- Ranked in top **0.3%** in **IIT Joint Entrance Exam(JEE) 2011** amongst approximately 4,70,000 students
- Obtained 99.1percentile in **Birla Institute of Science and Technology Entrance Exam 2011**
- Secured All India Rank **1729** in **All India Engineering Entrance Exam (AIEEE) 2011** out of more than 10 lakh aspirants
- Receiving a **half-yearly scholarship** from **State Bank of India (SBI)** for outstanding performance in **JEE 2011**

TECHNICAL PROJECTS

Void content in concrete [Dec'12-Present]

Guide: Prof. Prakash Nanthagopalan

- Studied and calculated **the void content** in case of different kinds of packing in materials
- Deducing an **algorithm** to calculate the void content for **graded aggregates**

Braille Pad [Apr'12-Aug'12]

Institute Technical Summer Project, Students' Technical Activities Body, IIT Bombay

- Constructed a module to convert **voice signals into BrailleEasyVR** shield (for speech processing) and ATmega 328 microcontroller (Ardiuno)
- Exhibited the project at **IIT Bombay Annual Tech Exhibition 2012**

Design Exploration Workshop, IIT Bombay [Dec'11]

Guide: Prof. C Amarnath, UMIC@IITB

- Devised mechanism for the separation of **non-ferrous metallic** and **non-metallic impurities** using **eddy currents** for the first time
- The project was aimed to make an **effective environmental waste management** system.

Boardgame Project [Sept'11-Dec'11]

Guide: Prof. D.B. Phatak

- Designed a game application interface for two players, in C++ using OpenGL graphics library
- One of the **2** projects **selected out of 47 projects** for further application development

Square Wave Generator [Aug'12- Nov'12]

Guide: Prof. Siddharth Duttagupta

- Generated a continuous chain of **on and off pulses** from an **ac input source** using **555 timer**

RELEVANT COURSES

- Mathematics:** Linear Algebra, Differential Equations, Calculus
- Core Courses:** Solid Mechanics, Fluid Mechanics, Engineering Mechanics, Geodesy, Hydraulic engineering, Advanced Solid Mechanics, Structural Mechanics
- Additional learning:** Remote Sensing and Image Processing, Basics of Animations, Electrical and Electronic Circuits, Data Analysis and Interpretation, Environmental studies, Computer Programming and Utilization

TECHNICAL PROFICIENCY

- Programming Languages: C, C++
- Hardware: Arduino, EasyVR
- Software: Photoshop, Solidworks, MATLAB
- Platforms: Windows, Linux
- Web: HTML

POSITIONS OF RESPONSIBILITY

Dance Secretary of Hostel

[Apr'12-Present]

- Responsible for facilitating the hostel team in inter-hostel dance general championship and organizing hostel level events
- Organized a successful 2 day **Belly Dancing Workshop** in hostel
- Secured 3rd position in "**Sophie Dance League**", the **inter hostel dance competition** for sophomores

Media and Marketing Coordinator, Techfest 2013 (IIT Bombay's Technical Festival)

- Assisted in a deal of **2 lakh free SMSs** with a reputed messaging website for Techfest 2013
- Ensured regular publicity of Techfest through **well known local and national newspapers**
- Was a part of the nationwide Social Campaign **Ummeed-e-Milaap**, aimed at uniting the youth of India and Pakistan for global peace

Competitions Coordinator, Mood Indigo 2012 (IIT Bombay's Cultural Festival)

- Conceptualized competitions of Mood Indigo 2012 for around 750 college's participants from all over India
- Organized the "**live your passion**" event (**Aaveg**) at **NCPA** (national centre for performing arts), the **most prestigious platform** for performing arts in India
- Handled logistics for the Indonesian troop as a part of **World Fest**, the International Interface of Mood Indigo 2011

EXTRA-CURRICULAR ACTIVITIES

Social Activity

Save the Children

[June'12-Present]

- Working for a NGO which helps and treat people having any physical or mental disability
- Created a comprehensive database of prevailing school conditions of approximately 100 primary schools in Mumbai and analyzed the performance of NGO run schools

Sports

- Was a part of the winning team of IIT Bombay in the 48th Inter IIT sports meet at IIT Roorkee in the year 2012
- Secured 3rd position at **inter college basketball tournament** at VJTI, Mumbai (2011)
- Awarded **Silver medal** at **State Basketball Tournament** as part of Ajmer's U-19 Basketball team (2006)

Dance

- Secured 2nd position in **Rajasthan State Level Dance competition** (2007)
- Secured 3rd position in **Freshizza, Solo Dance Competition**, IIT Bombay (2011)
- Represented IIT Bombay in **Dance Competition at Malhar 2012**, the inter college cultural festival of St. Xaviers
- Performed in Performing Arts Festival 2012
- Performed in IIT Bombay Annual Insync Dance Show 2012 & 2013

Miscellaneous

- **Guinness and Limca World Record Holder**- Part of the largest group in the world solving the Rubik's cube simultaneously in less than one hour
- Part of IIT Bombay contingent team for **Street Play** at **Channel [V] Nokia Indiafest** (2012)