



Aditya Shankar
Electrical Engineering
Indian Institute of Technology, Bombay
Specialization: Communication & Signal Processing

11D070003
UG Second Year
Male
DOB: 05.05.1994

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.64

• Project:

- ❖ **Polyphonic Synthesiser (Institute Technical Summer Project 2012)** [June 2012]
 - To devise a polyphonic synthesiser capable of playing four notes (and infinite notes in theory)
 - Achieve inputs through **edge detecting pulse generating** ingenious circuit using exor gates and JK flip flops
 - Data is then encoded, processed by AT MEGA 328, which gives an 8 bit digital output
 - Digital to analogue conversion of output and playback through speakers
- ❖ **Research on oral traditions and folklores of eastern Uttar Pradesh and Bihar** [May 2012]

Guide: Prof. CP Narayan, Industrial Design Centre, IIT Bombay

 - Studied folk music and the oral traditions of the Bhojpuri sphere and recorded a medley of chatth songs

• Awards and Recognition:

- **Freshman of the year 2011 (Cultural)- IIT Bombay**-awarded to one person among 884 freshmen
- **Intel Technology in Education Award**. Received the award from **Mr. Kapil Sibal**, Minister of Human Resource Development, Govt. Of India for best integration of technology in learning process
- **ISRO Science Ambassador Award** for execution of a student based project named Rejuvenators, **leading a group of students of Kendriya Vidyalaya** in our attempts to give a new face to green education using internet
- **CBSE All India Rank 3 (98.4%)** and Certificate of Merit – All India Senior Secondary Examinations (**10th Boards**)
- Kendriya Vidyalaya Sangathan **All India Rank 2 Merit Certificate in 10th boards**
- **Dhirubhai Ambani Merit Reward Scheme**
- Empanelled as folk singer with **Indian Council for Cultural Relations (ICCR)** under the troupe Surangama; **Represented India in cultural exchange programs in Jamaica, Suriname, Trinidad and Guyana 2007**
- Certificate of merit for being among **top 1% students in National Physics Olympiad 2011**

• Position of Responsibility:

- **Founding Convener, Saathi- IIT Bombay's LGBTQ Resource centre.** [2011-present]
 - **Moderate Group Discussions and Open Sessions** on Gender and Sexuality in IIT campus
 - Worked towards the **charter development** of the group and strive towards more inclusive and non-discriminatory policies in IIT Bombay to **create safer spaces** for sexual minorities
- **Mentor, Pixels – Photography Club IIT Bombay** [2012-present]
 - Guide to freshmen about the technical and aesthetic aspects of photography and film making

• Extra-Curricular:

Cultural:

- | | | |
|----------------------|---------------------------------|-----------------------------------|
| ○ Winner | Short Film Making | <i>Malhaar- St. Xaviers, 2012</i> |
| ○ Second Position | Hindi Creative Writing | <i>Vaani- IIT Bombay 2012</i> |
| ○ Winner | Creative Writing | <i>Mood Indigo 2011</i> |
| ○ Consolation Winner | English Creative Writing | <i>Queer Ink 2011</i> |
| ○ Winner | Hindi Creative Writing | <i>Hindi Cell, IITB 2011</i> |
| ○ Winner | Extempore | <i>Hindi Cell, IITB</i> |

Technical:

- | | | |
|---------------|---|----------------------------|
| ○ Winner | TechOne- RC Car Making Competition | <i>STAB, IIT Bombay</i> |
| ○ Runner's Up | Line Follower 2011 | <i>Robotics club IITB.</i> |
| ○ Exhibitor | Tech Ex- Exhibition 2012 | <i>STAB, IITBombay</i> |

Social Work:

- Project Coordinator, **National Integration Camp** for Surangama (a Bihar based NGO)
- Member **Queer Azadi Mumbai**, an Organisation of Civil rights activists fighting for LGBTQ rights
- Worked for the **Prison Project**, for **Dhriti-** an NGO working in Mumbai for the therapeutic use of art for under trial inmates in the prisons of Bombay

• Creative Collaborations:

Co-founder, **Paperboat Creative** | Scriptwriter, filmmaker

- Paperboat is a confluence of likeminded artistes, who have come together to cater to contemporary art needs
- We have produced **award winning short films** with many short documentaries and music videos in the pipeline