Saurabh Ramesh Gangurde 14D070009
Electrical Engineering UG Second Year
Indian Institute of Technology Bombay Male
Specialization: Microelectronics DOB: 05/05/1996

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2016	8.57
Intermediate/+2	Maharashtra state board	Shree Mahavir Vidyalaya	2012	83.54
Matriculation	Maharashtra state board	Shree Mahavir Vidyalaya	2014	94.54

ACADEMICS

- Secured **All India Rank 182*/1528** in **JEE-Advanced-2014** out of **1.5 million** candidates
- Selected for prestigious **Kishore Vaigyanik Protsahan Yojana** mentorship programme by the Department of Science and Technology, Govt. of India, 2013 **(All India Rank:249)**
- Awarded scholarship for **National Talent Search Examination(NTSE(2011))**.
- Selected for **Maharashtra State Talent Search Examination(MTS)** conducted by Maharashtra State Board **(State Rank:5)**.
- First in district in Scholarship Examination held by Maharashtra State Goverment(2009).
- Pursuing minor in **System And Control**

OLYMPIADS

- Awarded **Merit Certificate** in **National Standard Examination in Astronomy-2014** for being among Top 300 students across the country.
- Awarded **Merit Certificate** in **National Standard Examination in Physics-2014** for being among Top 300 students across the country.

PROJECTS

- **Sign Language to Text Converter** (May'15-June'15)
  Guide: Student Technical Activities Body ,IIT-Bombay
  - Developed a software that recognises gestures of the **American Sign Language** using a camera and converts them to text
  - Used **Python and OpenCV library** to implement the project
  - Makes sign language used by the mute comprehensible to common people
- **Library Book Barcode Scanning Bot** (Jan'15-Apr'15)
  Guide: Prof. Kavi Arya
  - Developed Simple Basic Algorithm to decode Barcode using image processing in **OpenCv and C++**.
  - Used FireBird 4 Bot and webcam to scan the barcode on the book.
  - Quick solution to check whether book is in right placed or missing.
  - Implemented **Wireless Communication** using the **X-Bee module** to send and receive small data.

TECHNICAL STRENGTHS

Computer Languages	C, C++, Python, Visual Basic,Arduino,Embedded C,Processing
Web Development	HTML, CSS, JavaScript,JQuery,PHP
Softwares	LaTeX, Github, AutoCad,SolidWorks,Android Studio,NgSPICE
Hardwere	Aurduino,AVR Microcontroller.
Others	Basics Of Image Processing and Its applications using **OpenCv**(Image processing library).

KEY COURSES TAKEN

Calculus	Linear Algebra
Differential Equations	Electromagnetism
Computer Programming and Utilization	Mathematical Structure For System and Controls
Introduction to Electrical Systems	Introduction to Electronics
Microelectronics	Data Analysis and Interpretation
Network Theory	Complex Analysis
Organic and Inorganic Chemistry	Physical Chemistry

POSITIONS OF RESPONSIBILITY AND FIELDS OF INTEREST

IIT-Bombay Racing

- Working as **Junior Design Engineer** in Electrical Subsystem of IIT-B Racing team.
- working on **Communication and Data Acquisition**.

EXTRACURRICULARS

- Represented School in various NCC Camps, achieved **gold and silver medal in State and National Camp.**

- Stood second in alocution cometition in city.

- Successfully completed in **Line Follower, XLR8-Bot Racing, RC Plane,Technify Your Room Competitions** by Student Technical Activity Body, IIT Bombay

- Successfully completed in Game Jam held by indiagamingweek.com

- Mentored in XLR8 competition

- Represented school in inter-school **Quiz** competitions

- Completed a course in **Finance Boot Camp** under **Finance Club,IIT-Bombay**

- Volunteer in **IITB NSS Green Campus(2014-2015)**.

- Played kho-kho district level, Ring Tennis State Level. .