



S Nitish Kumar
Mechanical Engineering
Indian Institute of Technology, Bombay

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B.Tech.
Gender: Male
DOB: 19-10-2001

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2023	

Pursuing a Minor in **Entrepreneurship** [Aug'20- Present]

- Developed a business model canvas on startup idea "About Publicity" and worked on the value proposition of our product along with customer discovery
- Proposed a startup idea "e-Bin" aiming to efficiently recycle the e-waste generated in the country

SCHOLASTIC ACHIEVEMENTS

- Received a certificate for securing state **top 1%** in **NSEJS** Examination conducted by IAPT [2015]
- Qualified for the **Indian National Maths Olympiad(INMO)** conducted by HBCSE [2018]
- Scored **94.6%** in **Central Board of Secondary Examination(CBSE)** Class 12 Examination [2019]
- Scored **99.53** percentile in **JEE MAINS** 2019 among 1.3 million students [2019]
- Secured All India Rank of **2680** in **JEE ADVANCED** 2019 among 0.25 million students [2019]
- Awarded the **AA** grade in **Fluid Mechanics** for the excellent performance [2020]

TECHNICAL PROJECTS AND ACTIVITIES

- Control Engineer | ExoFly IITB** [June'21-Present]
- Junior Control Engineer | ExoFly IITB** [Feb'20-May'21]

Faculty Advisor : Prof. Arindrajit Chowdhury , Department of Mechanical Engineering

ExoFly is working on a Vertical Takeoff and Landing(VTOL) Vehicle for about 30 km range applications.

It is targeted for urban use

- Worked with seniors covering technical experience with Control systems and **MATLAB/Simulink**
- Finished Assignments in C++ and MATLAB
- Contributed to prototype demonstration and motor testing sessions
- Working on implementing failsafe mechanisms for a **multirotor** vehicle in Simulink
- Working on converting the Simulink model into a Arduino code
- XLR8| Electronics and Robotics Club, IIT Bombay** [2019]
 - Got to know about various technical details in making a remote-controlled car from scratch

POSITION OF RESPONSIBILITY

- Organizer| FnB | **Techfest** IIT Bombay [Sep'19-Jan'20]
Asia's Largest Science and Technology Festival |Footfall :175000| Events :280+
 - Managed the food availability for all the participants and guests

TECHNICAL SKILLS

- Programming Languages** : C/C++ , HTML , CSS
- Softwares and tools** : MATLAB/Simulink , SolidWorks , AutoCAD , MS Office , Maxima
- Simulations** : CAMotics , CNC Simulator , Abaqus

SOCIAL ACTIVITIES

- Volunteer** in National Service Scheme IITB [Aug'19-Apr'20]
NSS IITB is the largest student volunteer body of IITB under the field of social service
 - Completed more than **80** hrs of social work in various fields of NSS IITB
 - Regular visits to **BMC Schools** to educate the children about Social Sustainability
 - Created videos based on Sustainable Development to upload in YouTube as a part of Tarang team

EXTRA CURRICULAR

- Participated in various district level **Chess** competitions [2007-2011]
- Participated in **Finance** Workshop held by SARC, IITB as a part of Alumination [2019]