

# VISTASP EDULJI

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I am an undergraduate of B. Tech in Mechanical Engineering. I am an open-minded individual who is open to exploring and understanding new ideas / concepts. I am willing to take on responsibility, with the necessary dedication and passion for any project. I am also a Team player who can work in a team or lead from front.

## EXPERIENCE

**MAY 2019 – APRIL 2020**

**JUNIOR - DESIGN TEAM, TEAM ONYX INDIA**

**MAY 2020 – MARCH 2022**

**TEAM CAPTAIN, TEAM ONYX INDIA**

Team Onyx India is K.J. Somaiya College's Aeromodelling Team that designs, builds and flies various RC aircrafts that reach sizes of around 10 ft in wingspan at various national and international competitions. I began my journey as part of the design section and later went on to lead the team. During my time at Onyx I have performed various analytical calculations pertaining to the aerodynamics of the aircraft as well as built and maintained various MATLAB scripts that aided in calculating the performance of the aircraft.

**JULY 2021 – AUGUST 2021**

**PROJECT TRAINEE, GODREJ & BOYCE MFG. CO. LTD**

I interned at the Aerospace Division of Godrej and Boyce MFG. Co. LTD for a period of 1 month. During my internship I closely observed the manufacturing of various Aerospace components and used various design tools like AutoCAD and SolidWorks to help in the design of manufacturing jigs and fixtures.

## EDUCATION

**MAY 2016**

**10<sup>TH</sup> STD, ST. JOSEPH'S HIGH SCHOOL, SSC**

I passed my 10<sup>th</sup> Standard from the SSC board from St. Joseph's High School in Vikhroli West, Mumbai with a distinction. My passing percentage was 84.80 %

**MARCH 2018**

**12<sup>TH</sup> STD, K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE, HSC**

I passed my 12<sup>th</sup> Standard from the HSC board pursuing science from K.J. Somaiya College of Science and Commerce in Vidyavihar East, Mumbai with distinction. My passing percentage was 82.62%

**AUGUST 2018 – MAY 2022**

**B. TECH MECHANICAL ENGINEERING,**

**K. J. SOMAIYA COLLEGE OF ENGINEERING, MUMBAI UNIVERSITY**

My CGPA is 9.4/10 for 7 semesters combined and I am currently awaiting my 8<sup>th</sup> semester results.

I have taken additional subjects such as:

- Computational Fluid Dynamics
- Design of Experiments
- Robotics and Artificial Intelligence
- Project Management
- Deep Learning with Autonomous Vehicles

My final year project involved designing an autonomous rover that navigated to a target location using on board IMU and avoided obstacles using a stereo camera setup. We demonstrated a successful working of our project and were awarded a grant of Rs. 10000.

I am also aiding on of my senior faculty in designing a LIDAR based cap that helps blind people in navigation.

## SKILLS

- I have used the following programming languages:
  - MATLAB (Intermediate)
  - C / C++ (Intermediate)
  - Python (Beginner)
- Have deployed code as a GUI using MATLAB Apps, visible under [Vistasp Edulji - MATLAB Central \(mathworks.com\)](#)
- Strong Command of CAD Software
- 15 Years of On-stage English-Speaking Experience
- Certified in the use of Excel and overall excellent proficiency in using the MS Office Tools
- Have practical experience of working with hardware, both mechanical and electrical, while working on RC Aircrafts

## ACTIVITIES

I hold the following certifications from various sources

- Excel Skills for Business: Essentials. [Link](#)
- Excel Skills for Business: Intermediate I. [Link](#)
- Introduction to Programming with MATLAB. [Link](#)
- Simulink Onramp. [Link](#)
- SolidWorks Mechanical Design Associate. [Link](#)
- Deep Learning Onramp. [Link](#)
- Optimization Onramp. [Link](#)
- Introduction to Image Processing. [Link](#)

I also have the following publications under my name

- A Mobile Semi-Autonomous Robot for Soil Sampling: [Pre-Print](#)