Jay Jayeshbhai Chavda

Roll No.: AM23S028
M.S. by Research
Applied mechanics and Biomedical Engineering
Indian Institute of Technology, Madras

+91-9825251136
am23s028@smail.iitm.ac.in
jay.jchavda@gmail.com
Linkedin Profile

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.S.	Indian Institute of Technology, Madras	9.0 (Current)	2023-Present
B.E.	L.D. College of Engineering	8.72	2022
Higher Secondary	Gujarat Board	91.0%	2018

RESEARCH WORK AND ACADEMIC PROJECT

- **Geometry and Mechanics of Kirigami Pop-Ups**   *September 2023 - present*
  IIT Madras

  – Understanding mechanics of Sheets
  – Geometric of programming shape
  – Locking shapes to desired target

- **Design and Development of Continuum Robotic arm**   *January 2022 - May 2022*
  L.D. College of Engineering

  – Controlling modular continuum robotic-arm using DC Servo Motor
  – Modelling design of the robotic-arm using Solidworks
  – Understanding the kinematics of the system
  – Fabrication of the individual components

INDUSTRIAL INTERNSHIPS

- **International Automobile centre of excellence**   *August 2021 - September 2021*
  Gandhinagar

  – This training consisted five modules of automobile industry which were Automotive systems, Autotronics , EVHV, Paint technology, Welding technology.

- **Jyoti CNC and Automation**   *June 2020 - July 2020*
  Rajkot

  – It was an online training module on basic CNC machines. I had an basic overview on operating of CNC machines which were prepared by JYOTI .

SKILLS

- **Programming**: python
- **Mathematical Computing**: Mathematica
- **Modelling**: Solidworks
- **Operating Systems**: Windows, Linux
- **Writing tools** : LaTeX

KEY COURSES TAKEN

- **Computational Methods in Mechanics**: AM5600
- **Non Linear Dynamics**: AM5650
- **Structural Optimization**: CE6730
- **Bioinspired Engineering**: AM5535

POSITIONS OF RESPONSIBILITY

- **Technical Team Member**, Robocon LDCE   *June 2019 - May 2020*

  – Participated in ABU Robocon 2020 Nationals and secured 7th Rank

- **Event manager of Robotic Designing**, Lakshya–LDCE   *August-2021*

- **Volunteer**, Refcold India   *December 2018*