



# GUNDETI SRIVARDHAN

Roll No.:210103130

B.Tech - Mechanical Engineering

Indian Institute Of Technology, Guwahati

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	7.57 (Current)	2021-Present
Senior Secondary	TSBIE BOARD	97.4%	2021
Secondary	CBSE BOARD	89.2%	2019

## PROJECTS

- Smart Assistant** Nov. 2022 - Apr. 2023  
*Robotics Club, IIT Guwahati* Github | Drive
  - I had Helped Greatly in Entire Ideation Process & Modeling The Robot According to Requirements, I had Selected Materials efficiently to **reduce cost margin by 12%**.
  - As POC for the project I had Monitored all Project-related Tasks and kept the Team in High Spirits.
- Parallel Parking problem** July 2023 - Ongoing  
*B.tech project under Professor, B.Sandeep Reddy, Dept.of.Mech engg,IITG* Google Drive
  - Working on designing an Algorithm to control parallel parking maneuvers of **4 Wheeler Vehicles**.
  - Achieving the results with the help of **Mathematical Formulations, Analysis and Trials**.
- CAM Profile & Simulations of Mechanisms** April 2023  
*Project of Kinematics of Machinery Course* Google Drive
  - Generated a Cam Profile for Flate-Faced follower and Knife-Edged follower using **MATLAB**.
  - Analysed and determined the key specifications of the cam such as **Base circle radius, Follower radius, Rise, Dwell** based on the path.
  - Made Simulations of some mechanisms such as **Wiper-Blade Mechanism, Klann's, Peaucellier-Lipkin Linkage**.
  - Implemented using **Linkage Software**.

## TECHNICAL SKILLS

- CAD and CAM:** CAD, CATIA, Solid Edge, Solid Works\*
- Software Skills:** Ansys, Linkage, MATLAB\*
- Programming Languages:** C/C++, Python\*
- Others:** Numpy, Pandas, Team Management, WhiteBoard Animation \* Elementary proficiency

## KEY COURSES TAKEN

- Design of Machine Elements
- Manufacturing Technology
- Solid Mechanics
- Fluid Mechanics
- Kinematics of Machinery
- Mechanical Workshop
- Dynamics of Machinery
- Machine Drawing
- Electrical Machine
- Heat Transfer

## POSITIONS OF RESPONSIBILITY

- Core Team**, TechExpo, Techniche, IIT Guwahati Dec. 2022 - Sep. 2023
  - Coordinating the annual event and engaging with companies to secure their participation in exhibitions.
- POC - Smart Assistant**, Robotics Club, IIT Guwahati Nov. 2022 - Apr. 2023
  - Monitored all project-related tasks, ensured adherence to deadlines, and organized meetings to receive work updates.
- School Council Leader**, Navya Bharathi Global School Apr. 2018 - Mar. 2019
  - Addressed student needs and advocated on their behalf in various matters.

## ACHIEVEMENTS

- JEE ADVANCED 2021:** Secured an All India GEN Rank of **8038** among 0.15 million students who appeared for the test.
- JEE MAINS 2021:** Secured an All India GEN Rank of **8558** among 1.1 million students who appeared for the test.
- National Level Player 2019**, Vall Veechu (Sword Fight), SCHOOL GAMES FEDERATION OF INDIA (SGFI)

## EXTRA-CURRICULAR

- Open Source Volunteer - Winner**, Hacktoberfest, github 2022
- Team Leader - Rotary Youth Leadership Awards Camp**, Rotary Club 2019