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

- **Optimizing Charging Time of EV's** *Jan. 2024 - Current*
  Personal Project under ME322 Course Report
  – Reduced about 66% of EV's charging time by Designing new Module arrangement and charging pods placement.
  – Designed new cooling systems one specifically for PCM coolant and one for liquid coolants.

- **Smart Assistant** *Nov. 2022 - Apr. 2023*
  Robotics Club, IIT Guwahati Github | Drive
  – Helped Greatly in Entire Ideation Process & Modeling The Robot According to Requirements by selecting Materials efficiently to **reduce cost margin by 12%**.

- **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**.

EXPERIENCE

- **LearnHill TechnologiesPvt. Ltd.** *Mar. 2024 - Apr. 2024*
  Student Intern Karbi Anglong, Assam
  – Installation of Tinkering Lab.
  – Building Aurdino controlled self driving cars, Guesture controlled motions, Assembilng drone and teaching students how to do them. Report

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

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)