

CURRICULUM VITAE

Saikat Kumar Sarkar

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Career Objective

To work efficiently and effectively and grow with a prestigious organization to achieve self-realization and accomplishment of organizational goals.

Job Experience

- Working at **Asun Solar Power Pvt Ltd**
- Intern at **ExDC SOLUTION**
- External Expert at **Digiversal**

Major Projects:

1. Solar panel design (floor plan, structural weight calculation and shadow analysis)
2. Air filters Housing Design
3. Novel Umbrella 360 Cloud Seeding Based on Self-landing Reusable Hybrid Rocket (Co-author)
4. Fuel Filter Design.
5. Automotive Plastic Component Design
6. Sheetmetal Component Design

Automobile Design

- Sound knowledge in **Designing, Drafting, Assembly, Sheet Metal & Surfacing of Automobile equipment using Catia V5(R-19, R-20).**
- Good Experience in the Design and Development of **BIW Fixture Tool, Panel Design,**

Industrial Projects

- 100kws Solar panel design (floor plan, structural weight calculation and shadow analysis)
- Pipe joint (Freeze Part)

- Sheet Metal (Catia v5) with Drafting Bracket
- Part Design with Drafting
- Air Filter, Oil Filter, and Mould.

Personal Skills

- Excellence for outstanding performance in **CATIA-V5 (R 19, 20)**, **Assembly** Design, Surfacing, Sheet Metal, Drafting, and in **ANSYS** (Structural, Thermal, Modal Analysis),
- **SketchUp** for 3D Modelling
- **AUTOCAD, 3-D Product Design-CAD Software (Catia-v5) from ExDC SOLUTION**
- Solid model development & component drawing,
- Good command over verbal and written communication.

Training

- 3rd-year summer training (45 days) from “*ExDC SOLUTIONS*” in 2020-21
Project Title: “*Metallic Component Design {Automotive Product Design & Implementation}*”
- 2nd-year summer training (30 days) from “*ExDC SOLUTIONS*” in 2019-20
Project Title: “*Plastic Component Design*”
- 1st-year summer training (30 days) from “*ExDC SOLUTIONS*” in 2018-19
Project Title: *Autocad & Catia V5*

Academic Project

B.Tech Project - “Chassis Design and Analysis ”.

Mechanical Skills

- Advanced Technologies in Automobile & Vehicle Dynamics.
- Finite Element Analysis.
- Manufacturing & Production Technologies.
- Mechanical design calculations etc.
- Advanced Manufacturing Process & Materials.
- Advanced theory of IC Engine.

Educational Qualifications

Exam. Passed	Year of Passing	Board/ University	Name of Institute	Score
<u>B.Tech</u> (Mechanical Engineering)	2022	AKTU	IILM CET AHL	8.3(SGPA)
Higher Secondary (Science)	2018	WBSC	Barodakanta Vidyapith	78%
Intermediate	2015	WBSC	Siliguri Boy's High School	86%

Mechanical Software Skills

- Auto cad. 2D&3D,
- Catia V5(R-19,20),
- SketchUp 2020

Computer Skills

Programming Language
Application

Python, Basics of C
MS Office (Word, Excel, PowerPoint)

Extracurricular Activities

- Secured 2nd Position in design challenge (IILM CET).
- Influencer marketing at Unschool Marketing

- Attended an international seminar on Waste management
- Thar chassis design in Catia V5

Strengths

- Dedicated to work
- Coordinating to work in a group,
- Taking initiatives,
- Leadership qualities & above all gifted with high willpower.

Personal Details

- Name- - Saikat Kumar Sarkar
- Father Name - Swapan Kumar Sarkar
- DOB - 28-02-2000
- Sex - Male
- Marital status - Unmarried
- Nationality - Indian
- Languages - English, Bengali, Hindi.
- Hobbies- - Reading books, playing chess.