

## Daiwik Parasher

Agra, Uttar Pradesh 282002

+91 9258490942 ✉ [daiwikparasher@gmail.com](mailto:daiwikparasher@gmail.com)  [linkedin.com/in/sdaiwikparasher](https://www.linkedin.com/in/sdaiwikparasher)

### Internship

**Internship Work Performed (Quality Control Trainee) PS Industries, Jalandhar**

**Nov 2025-Jan 2026**

- Performed dimensional inspection of mechanical and DI fittings
- Assisted in quality checking using standard measuring instruments.
- Observed quality control procedures at various production stages.
- Identified surface defects and dimensional variations.
- Maintained inspection records and quality documentation.

### Projects

**RC Car – Mechanical & Embedded Integration**

**April 2025(Completed)**

- Built and programmed an RC Car using Arduino, ESP32, and advanced modules
- Integrated hardware and software for wireless control functionality
- Gained hands-on experience in microcontroller programming, circuit design, and embedded systems

**Design and Modeling of Flywheel and Engine Block using 3D CAD (Creo)**

**Nov 2025(Completed)**

- Designed a mechanical flywheel using PTC Creo considering stress distribution and rotational dynamics.
- Developed a detailed 3D model of an engine block with accurate dimensions and structural features.
- Applied concepts of material selection, load handling, and mechanical design principles.
- Created assemblies and performed basic analysis to ensure design feasibility.
- Improved proficiency in CAD modeling, sketching, and component detailing.

**Fabrication of Hovercraft**

**Nov 2023(Completed)**

- Applied the principle of thrust for lift and propulsion to design and develop a working hovercraft
- Constructed the body using lightweight thermocol to generate lift and maintain floatation
- Integrated brushless motor, ESC, and propeller for stable thrust generation
- Implemented wireless control using transmitter and receiver to maneuver the hovercraft effectivelyArduino-Driven

**Temperature and Humidity Measurement System using Arduino**

**April 2023(Completed)**

- Designed and developed a real-time temperature and humidity monitoring system using Arduino.
- Integrated sensors (such as DHT11/DHT22) to collect environmental data with reasonable accuracy.
- Programmed the microcontroller using embedded C to process and display sensor readings.
- Implemented serial monitoring / LCD display for real-time data visualization.
- Gained hands-on experience in sensor interfacing, circuit design, and embedded systems.

### Patent

**Hybrid Thermal Management System for Beverages (Patent – In Progress)**

**Feb 2026-Present**

- Designed a hybrid solar–battery system for efficient beverage temperature maintenance.
- Developed a low-power (5–8 W) heating mechanism to compensate thermal losses.
- Built system architecture including heating element, power management, and energy storage.
- Performed thermal analysis to estimate energy and power requirements.
- Evaluated performance against existing solutions (electric warmers, induction mugs, insulated flasks).

## sCertificates

### Matlab Onramp

Matlab Onramp— [Certificate Link](#)

Sep 2025-Oct 2025

### NPTEL — Principles of Industrial Engineering

Principles of Industrial Engineering — [Certificate Link](#)

Jan 2026-April 2026

## Skills

**Languages** C++, C, Python

**Softwares Experience** Autocad, Creo Parametrics, Solidworks

**Data Management** MS Access

**Domain Skills:** Programming & Scripting (C++, C, Python, MATLAB)

## Achievements

### Green Olympiad For Youth(G04 YOUTH)

Coursera — [Certificate Link](#)

Mar 2025(Completed)

### Hone your Communication Skills for Successful Career

Under Aegis Of LPU— [Certificate Link](#)

Dec 2023(Completed)

### National Financial Literacy Quiz 2026

SEBI|NIMS — [Certificate Link](#)

Jan 2026(Completed)

### Cultural Event One India (2nd runnerup)

May 2025(Completed)

One india — [Certificate Link](#)

## Education

### Lovely Professional University

Bachelor of Technology — MECHANICAL ENGINEER -CGPA: 6.87

Aug 2023 – PRESENT

Phagwara, Punjab

### SKLGD High School

12th — CGPA: 6.46

2022– 2023

Agra, Uttar Pradesh

### DR. mps world School

10th — CGPA: 8.4

2020 – 2021

Agra, Uttar Pradesh