

**Q .Write 5 sentences describing that data and how you interpret it**

- 1.The voltage data shows a repeating pattern of gradual decrease followed by a sharp increase, indicating a cyclic charge–discharge behavior over time.
- 2.Despite short-term fluctuations, the overall trendline suggests that the voltage remains stable without any long-term increasing or decreasing trend.
- 3.Applying a 5-day moving average smooths out short-term noise and makes the underlying voltage pattern easier to observe.
- 4.The identified local peaks and lows represent transition points between charging and discharging phases in each cycle.
- 5.Although no instances of voltage dropping below 20 were observed in this dataset, monitoring such thresholds is important to identify potential low-voltage risk conditions.