Introduction

This report shows the development and documentation of a system to store, analyse, and visualize time-ordered datasets for Graphene Trace a MedTech startup based in Chelmsford developing Sensore, an intelligent e-textile system for continuous and automated **pressure ulcer prevention**. Sensore uses pressure-mapping sensors to generate real-time 32×32 heat maps, which are analyzed by AI to detect high-pressure regions and alert users before tissue damage occurs.