# La Vipère <br> Custom clothes for Everyone 

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## Personal Introduction

- Nesrine Zarrouki ®
- Work: Lead Data Science and MLOps
- Study in Technical Universities $=$
- M.Sc. Mathematics.
- B.Sc. Computer Engineering
- Passion: Visual Art and Design.


## Story Time



## Problem Time

## 1. Design Generation



## 2. Pattern Construction according to Body Measurements



- Software cost: 50 eu/month.
- Initial learning: 2 years
- Time per pattern: 3-20h


## 3. Pattern Cutting from Fabric



- Fabric sourcing: 5-150eu
- Fabric cutting: 30min-3h


## 4. Pattern Assembly (sewing)



Sewing: 3h-40h

## Solution Time Automate the Design and Pattern Generation Cycle

## 1. Design Generation



## 2. Pattern Construction according to Body Measurements



Construct patterns as a function of body measurements using Parametric Design.

## 3. Pattern Cutting from Fabric



- Fabric sourcing: keep inventory of fabrics.
- Fabric cutting: use laser cutting machines for unique garment pieces creation.


## 4. Pattern Assembly (sewing)



Local economy: uber for sewist
Any person with sewing machine and sewing Skills can assemble the garments
Our system creates comprehensive assembly instructions -> sustainable approach

Numbers Time

# "There is a 2.7 Billion USD projected personalisation market by 2027." 

McKinsy 2023
"Gen Z and Gen Alpha value brands that are willing to collaborate with them and demand a more participatory role in brand development."

McKinsy 2023

We Are the first to Consider fully custom clothing for B2C

## Demo Time

## 1. Enter Body Measurements

## 2. Avatar is automatically created with custom measurements

Create Avatar

Avatar creation initiated with ID: 8beabc9e-9063-4012-9557-dcaeb348cfb8

Avatar is ready for export
Export job triggered.


Avatar downloaded successfully to exported_avatar.obj

## 3. Select Design



## 4. Pattern is Generated based on body measurements



