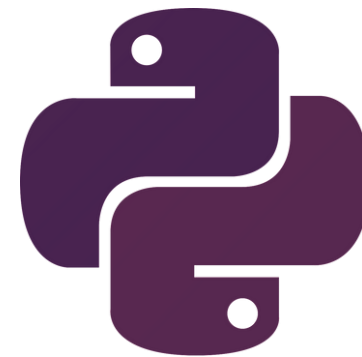




QR CODE GENERATOR & SCANNER

SmartGurucool





01

What is QR Code?

- Quick Response Code
- Can store larger amounts of data as compared to bar code
- Invented in 1994 by Japanese company Denso Wave

The background features several large, overlapping, organic shapes in shades of deep purple and magenta, with some areas showing a gradient to a lighter blue. These shapes are positioned in the upper and right portions of the frame, creating a modern, abstract aesthetic.

Which kind of information

**QR Code
can Store?**

- **Contact Details**
- **Social Media IDs like Facebook ID, Instagram ID, etc.**
- **Product Details**
- **Link which can directly download an app from Google Play Store or Apple App Store**
- **Digital Payment Transactions**



Implementing QR Code System in Python



Packages We Need

qrcode

```
pip install qrcode
```

We need this library for generating the qr code patterns.

opencv-python

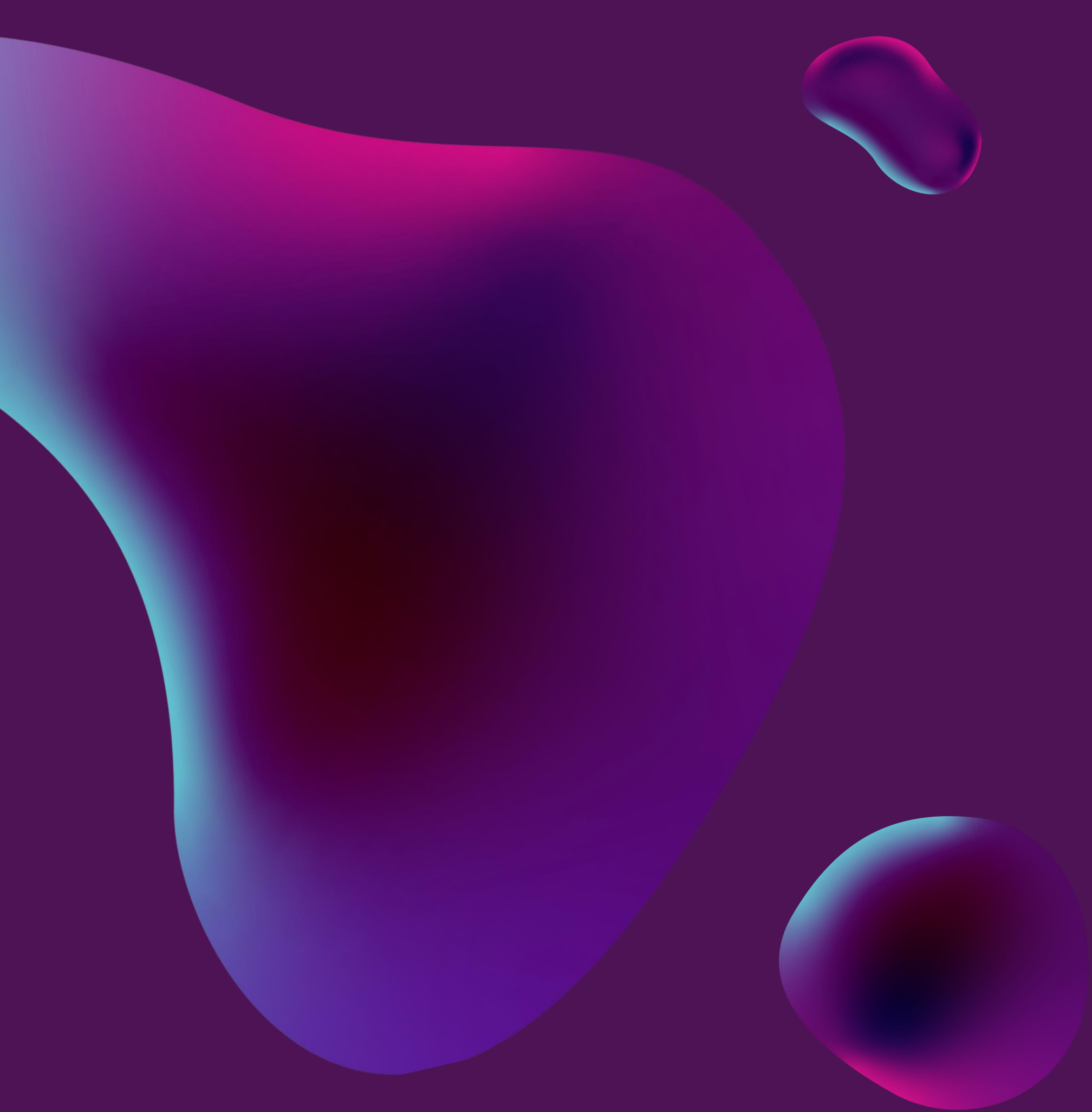
```
pip install opencv-python
```

We need this library for analyzing the qr code, so that we can scan it.

tkdesigner

```
pip install tkdesigner
```

We need this library for converting the Figma Design to Tkinter GUI automatically.



Project Structure

Stages

**Figma
Design**

**Tkdesigner
Automation**

**Python Code
Customization**

The background is a solid dark purple. It features several large, organic, fluid shapes in shades of blue and light purple. One large shape is in the upper right, another is in the lower right, and a smaller one is in the upper left. These shapes have a gradient, appearing lighter on the left side and darker on the right side.

03

**Let's Start
Figma Design**

The background features four abstract, organic shapes in shades of purple and blue, positioned in the corners of the frame. These shapes have soft, blurred edges and a gradient of colors, ranging from deep purple to a lighter blue. The central text is white and stands out against the white background.

**Let's work
with Tkdesinger**

Finally, let 's do Python Coding

04

The background is a solid dark purple color. It is decorated with several large, organic, wavy shapes in shades of blue and lighter purple, which appear to be floating or flowing around the central text. These shapes are located in the top-left, top-right, bottom-left, and bottom-right corners, leaving the center area clear for the text.

Hurray!
We have done it!!