

Agentic AI with N8N

Prepared by:
Norman Samsudin

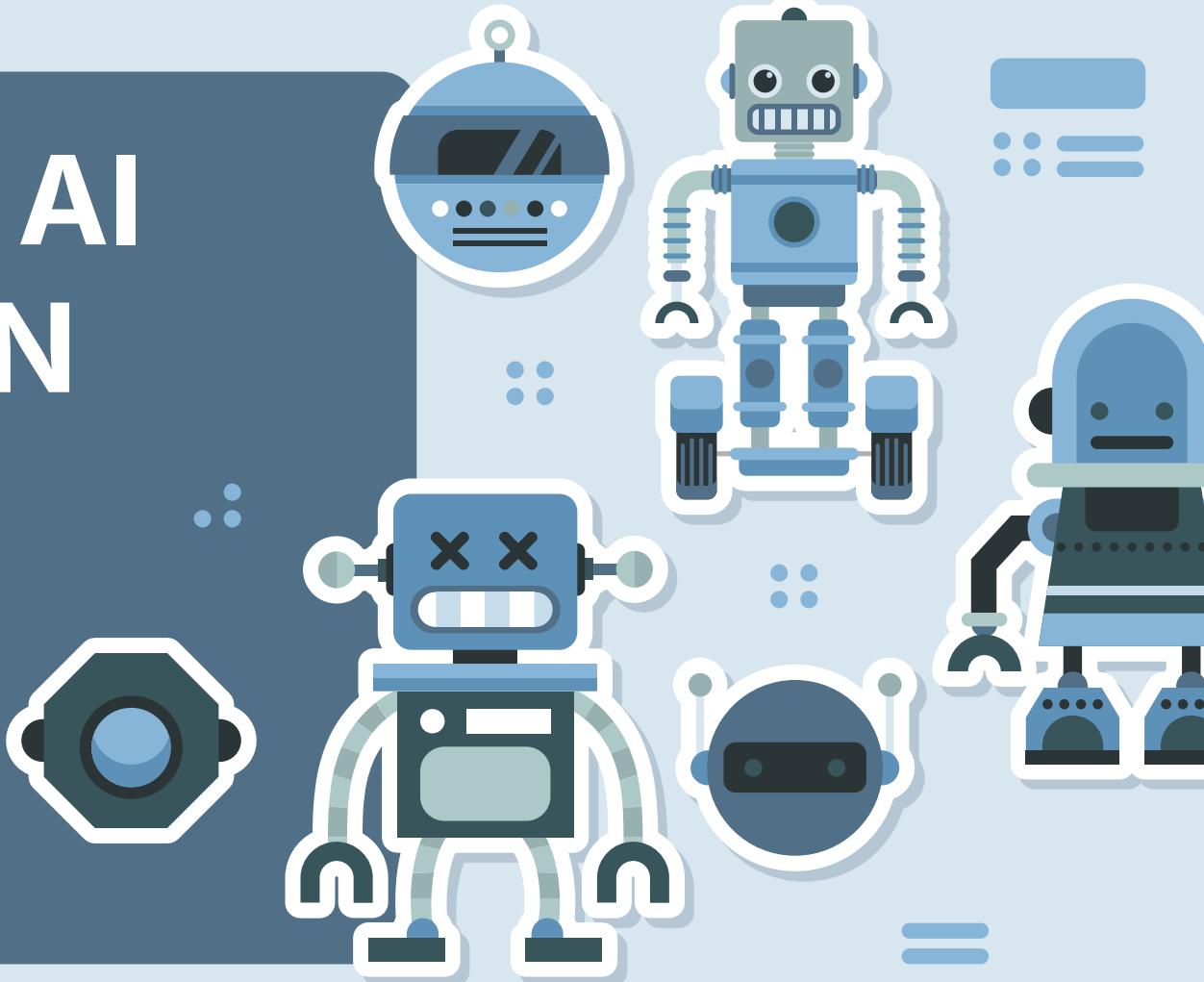


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Agentic AI

A fancy way of saying AI that can **act more independently** rather than only following step-by-step instructions.



Deployment



Server Host

Works on Linux (Ubuntu, Debian, etc.), macOS, and even Windows.



Database

Store business data and can be retrieved by agentic AI



Docker

No matter where you put that box, it works the same.



Reverse Proxy

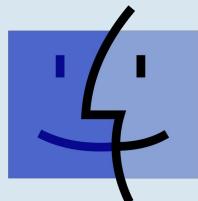
Saturn is a gas giant and has several rings

- <https://caddyserver.com>

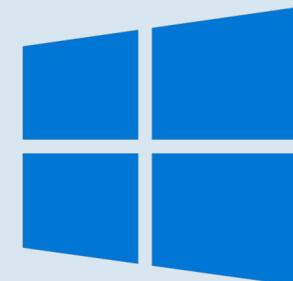
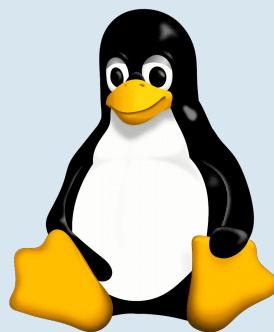




Remote Control Our Server



Mac OS



PuTTY

- `ssh -p 2222 username@server_ip_or_domain`
- `ssh -i /path/to/private_key.pem
username@server_ip_or_domain`



Deployment Script

1. Connect to sever

2. Update Server

- sudo apt update && sudo apt upgrade -y

3. Install Docker

- curl -fsSL https://get.docker.com -o get-docker.sh && sudo sh get-docker.sh

4. Create and change permission

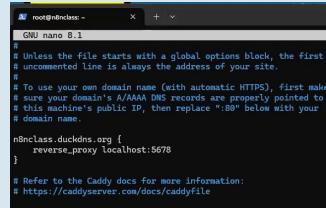
- mkdir -p ~/.n8n
- Sudo chown -R 1000:1000 ~/.n8n

5. Install Caddy

- apt install -y debian-keyring debian-archive-keyring
apt-transport-https curl && curl -1sLf
'https://dl.cloudsmith.io/public/caddy/stable/gpg.key' | gpg
--dearmor -o
/usr/share/keyrings/caddy-stable-archive-keyring.gpg && curl
-1sLf
'https://dl.cloudsmith.io/public/caddy/stable/debian.deb.txt' |
tee /etc/apt/sources.list.d/caddy-stable.list && apt update &&
apt install caddy

6. Update Caddy Configuration

- nano /etc/caddy/Caddyfile
- systemctl enable caddy
- systemctl restart caddy



```
GNU nano 8.1
# Unless the file starts with a global options block, the first
# uncommented line is always the address of your site.
#
# To use your own domain name (with automatic HTTPS), first make
# sure your domain's A/AAAA DNS records are properly pointed to
# this machine's public IP, then replace ":80" below with your
# domain name.

n8nclass.duckdns.org {
    reverse_proxy localhost:5678
}

# Refer to the Caddy docs for more information:
# https://caddyserver.com/docs/caddyfile
```



<https://www.duckdns.org/domains>

7. Get Docker Image and Run Docker

- docker run -d --name n8n -p 5678:5678 -v
~/.n8n:/home/node/.n8n -e N8N_SECURE_COOKIE=false
-e WEBHOOK_URL=https://yourdomainname.duckdns.org/
--dns 8.8.8.8 --dns 1.1.1.1 n8nio/n8n

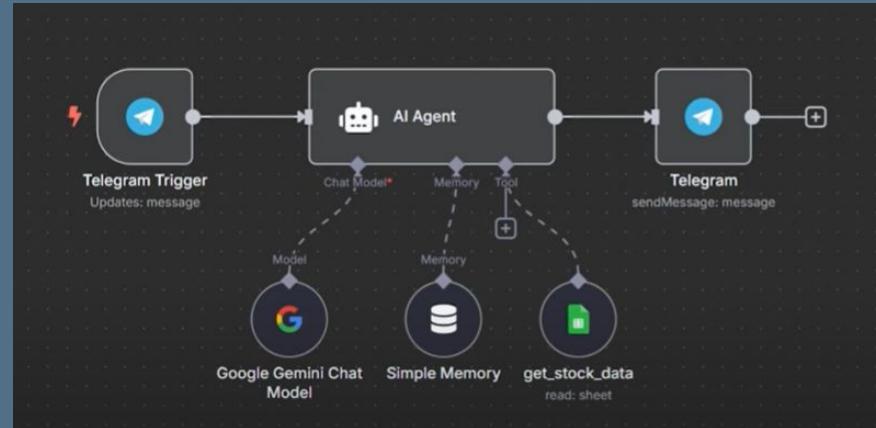
8. Basic Docker Command

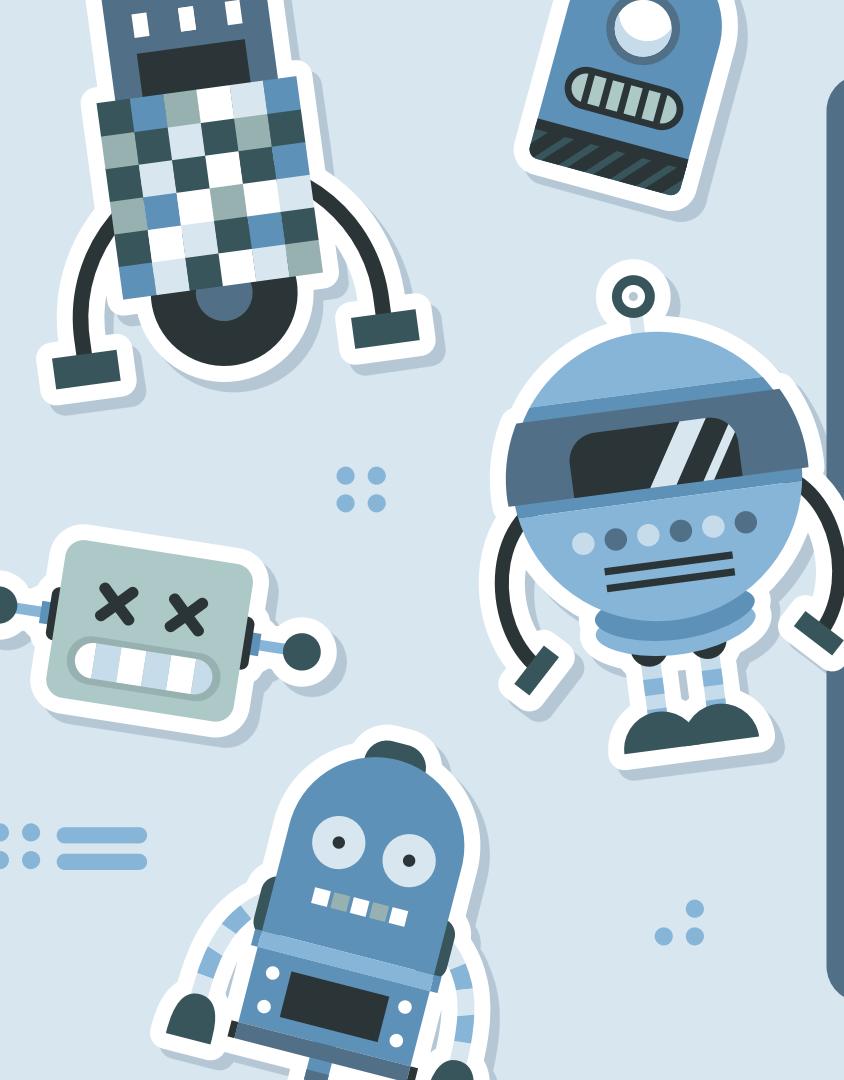
- Restart: sudo systemctl restart docker (*sometime need this*)
- Check Docker Image: docker ps
- Stop Docker Image: docker stop n8n
- Remove Docker Image: docker rm n8n

Workflow

Workflow is like a set of instructions that tells the system:

- Trigger: When something happens
- Actions: What to do next
- Output: Final node represent expected outcome





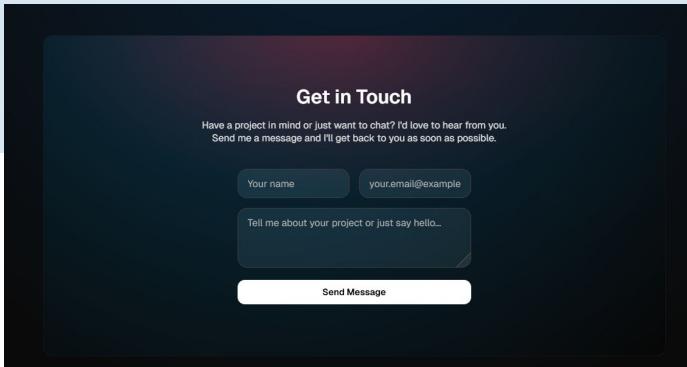
CASE STUDY 1

Webhook Trigger

Create a form page that sends data to an n8n workflow, which then saves the information into Google Sheets.

Requirements

Feedback Form



A screenshot of a feedback form titled "Get in Touch". The form includes fields for "Your name" and "your.email@example", a message input field with placeholder text "Tell me about your project or just say hello...", and a "Send Message" button.

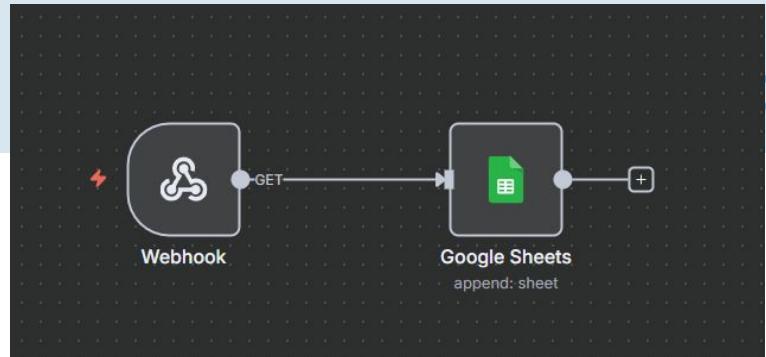
Have a project in mind or just want to chat? I'd love to hear from you.
Send me a message and I'll get back to you as soon as possible.

Your name
your.email@example

Tell me about your project or just say hello...

Send Message

Workflow





CASE STUDY 2

New Google Drive Video Trigger

Create a workflow when new video is uploaded into google drive the video will be summarized into google sheet.

Requirements

Authentication

Personal
Workflows and credentials owned by you

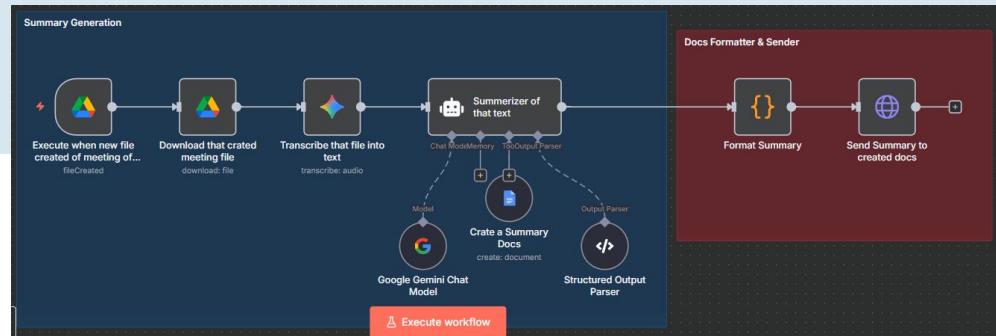
Workflows **Credentials** Executions

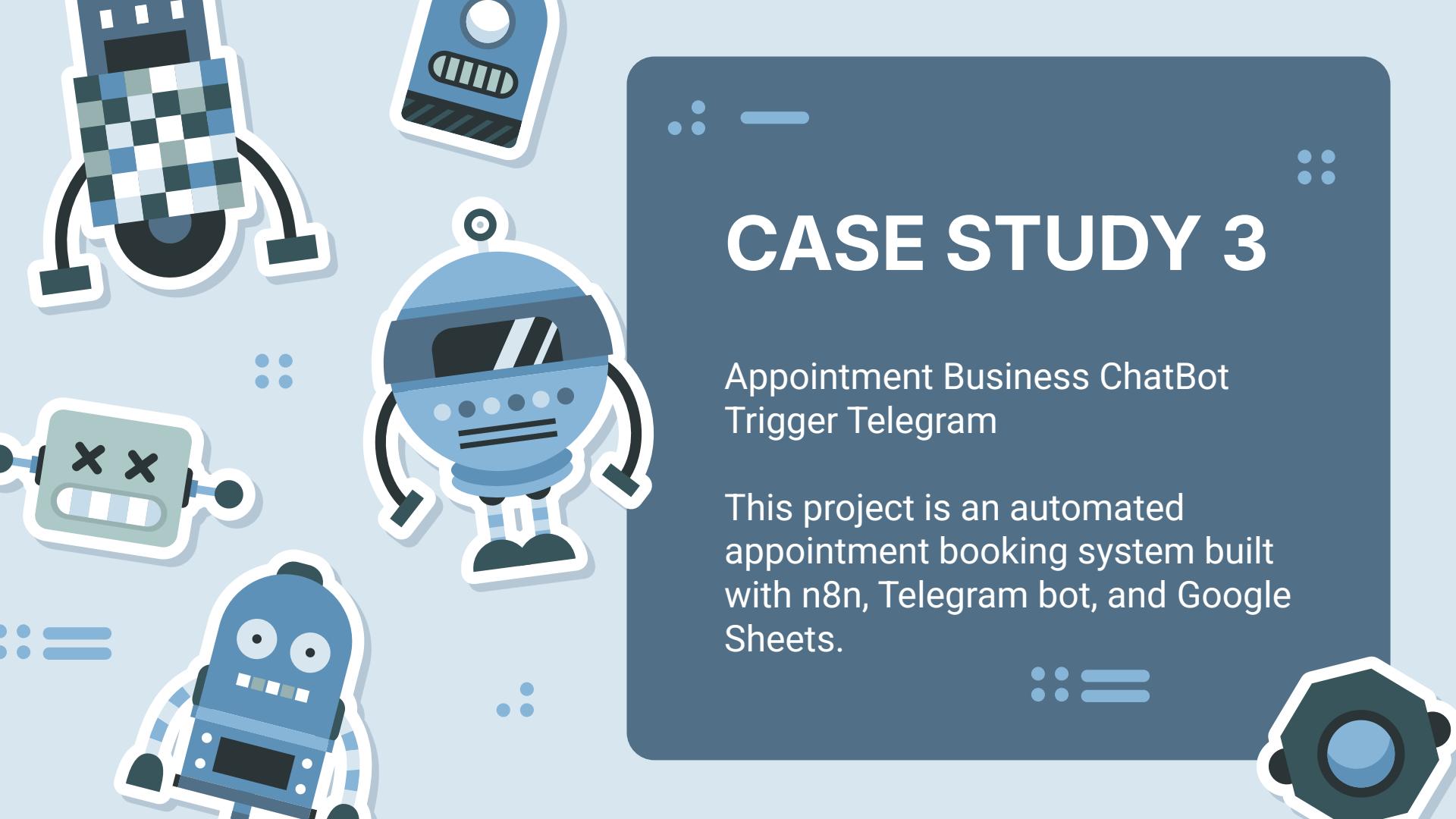
Google Docs account
Google Docs OAuth2 API | Last updated 1 hour ago | Created 9 September

Google Drive account 3
Google Drive OAuth2 API | Last updated 1 hour ago | Created 8 September

Google Gemini(PaLM) Api account
Google Gemini(PaLM) Api | Last updated 2 days ago | Created 7 September

Workflow





CASE STUDY 3

Appointment Business ChatBot
Trigger Telegram

This project is an automated appointment booking system built with n8n, Telegram bot, and Google Sheets.

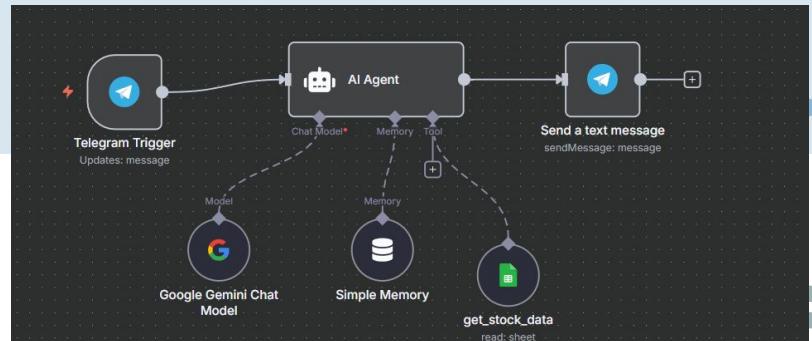
Requirements

Authentication

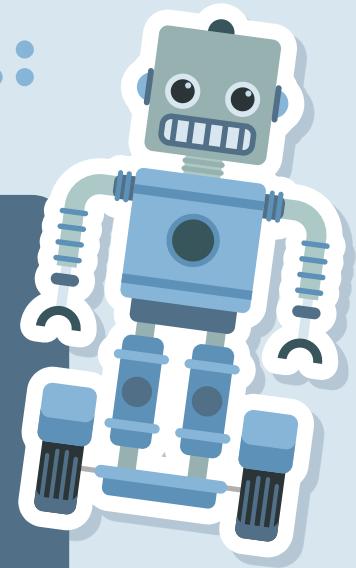
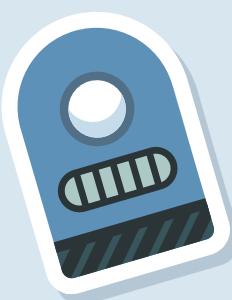
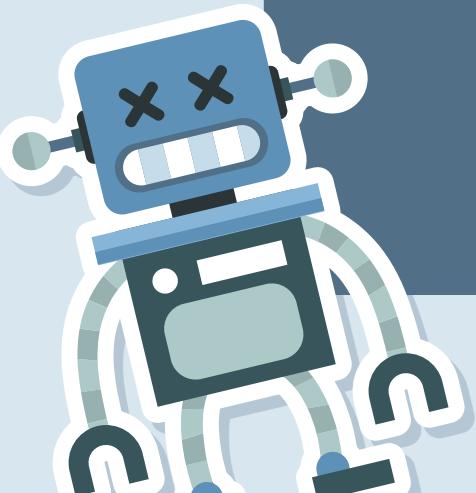
The screenshot shows a list of credentials under the 'Credentials' tab. Each item includes a small icon, the account name, the API used, the last update time, and the creation date.

Account	API	Last updated	Created
Google Sheets account	Google Sheets OAuth2 API	59 minutes ago	9 September
Google Docs account	Google Docs OAuth2 API	1 hour ago	9 September
Google Drive account 3	Google Drive OAuth2 API	1 hour ago	8 September
Telegram account	Telegram API	1 hour ago	9 September
Google Gemini(PaLM) Api account	Google Gemini(PaLM) API	2 days ago	7 September

Workflow



Thank You

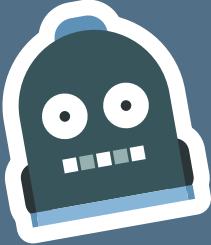


About this project

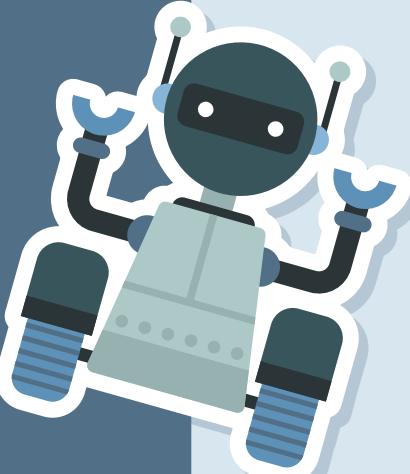
You can enter a subtitle
here if you need it

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01



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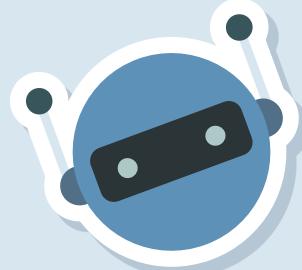
...

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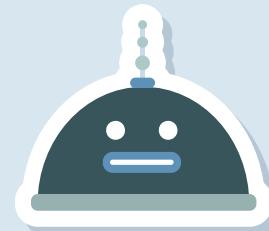
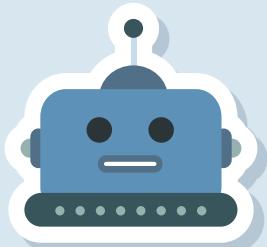


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What we are working on



Retail

Mercury is the closest planet to the Sun and the smallest one



Residential

Venus has a beautiful name and is the second planet from the Sun



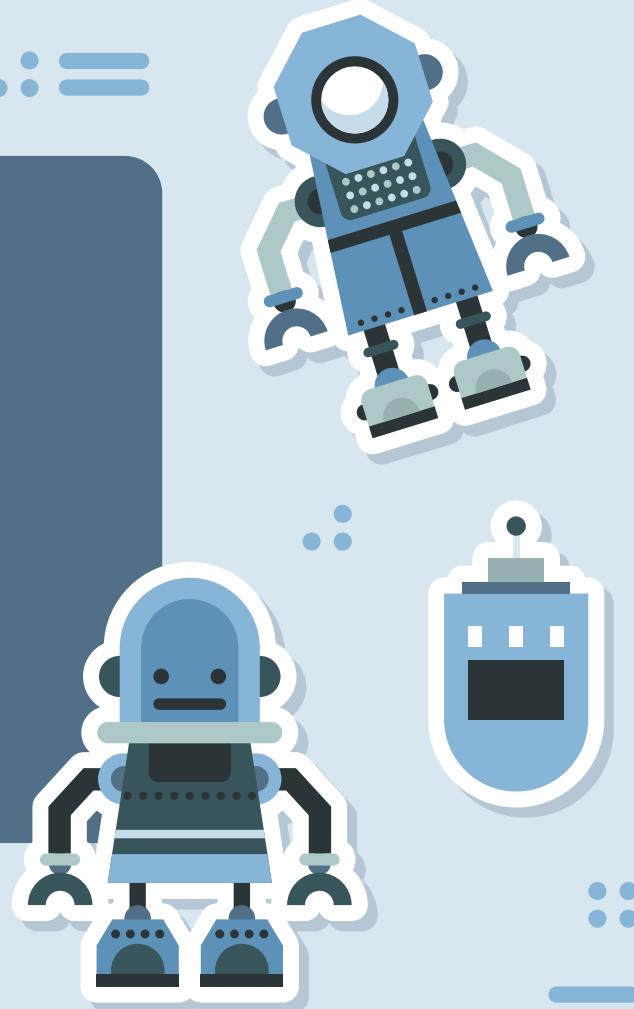
Hospitality

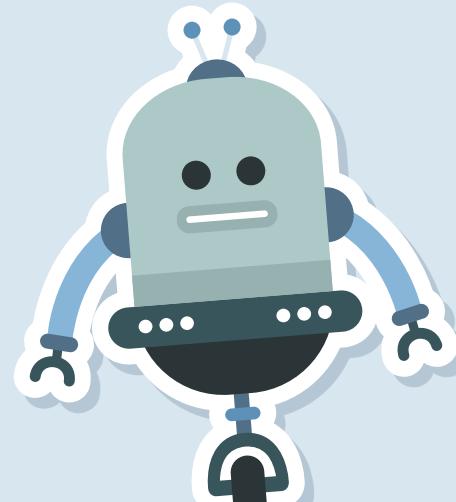
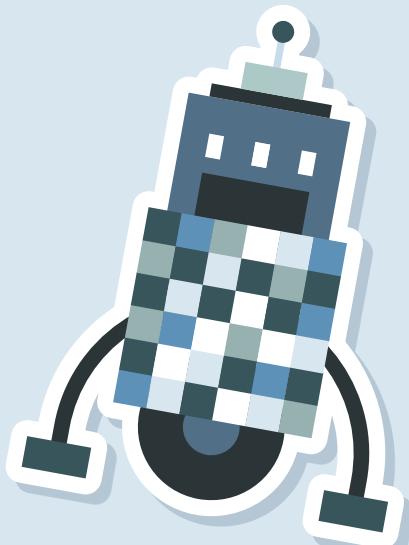
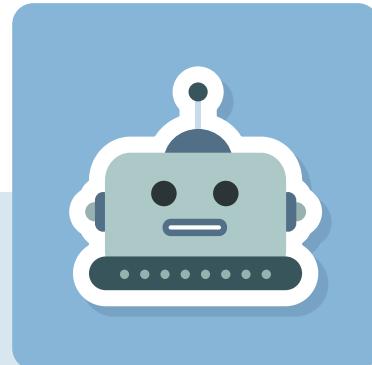
Despite being red, Mars is actually a cold place. It's full of iron oxide dust



“This is a quote. Words full of wisdom that someone important said and can make the reader get inspired”

— Someone Famous





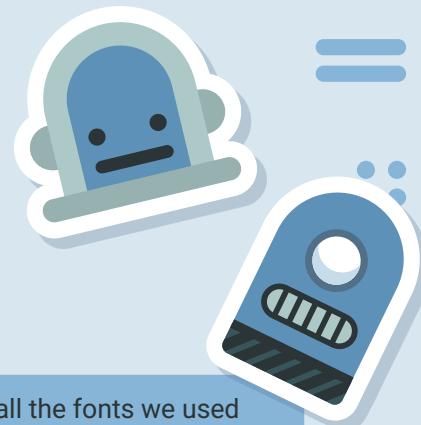
Now

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot, even hotter than Mercury, and its atmosphere is extremely poisonous

Architecture

This is a slide structure based on a project proposal presentation

You can delete this slide when you're done editing the presentation



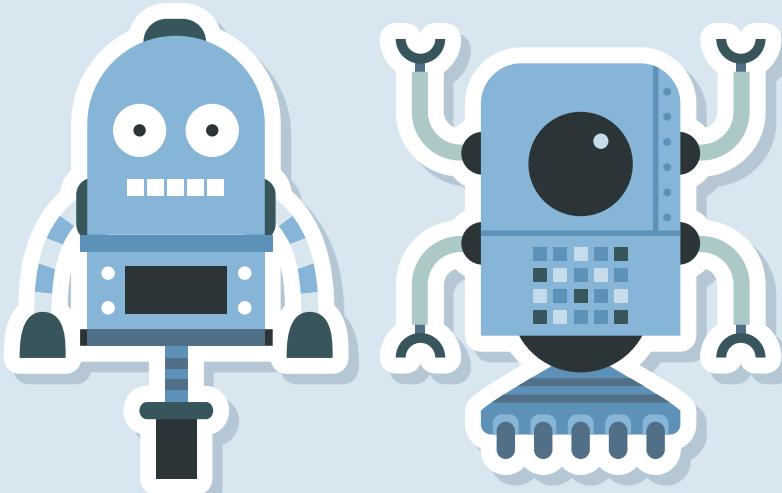
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Used and alternative resources	An assortment of graphic resources that are suitable for use in this presentation
Thanks slide	You must keep it so that proper credits for our design are given
Colors	All the colors used in this presentation
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Future

Saturn is a gas giant and has several rings. It's composed mostly of hydrogen and helium. It was named after the Roman god of wealth and agriculture

The slide title goes here!

Do you know what helps you make your point clear? Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation

Robotic fabrication locations



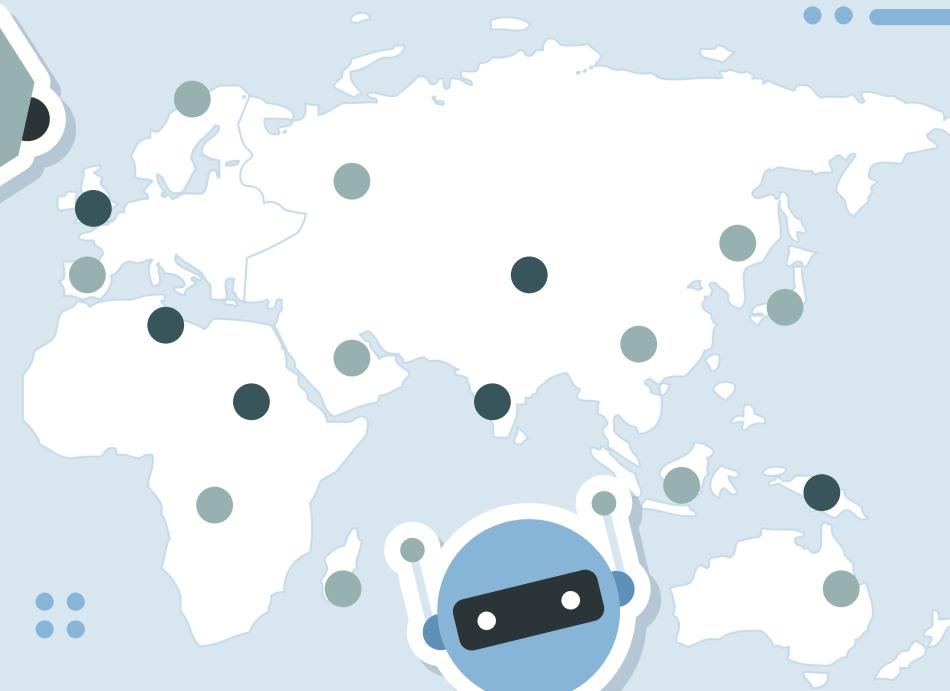
Saturn

Saturn is one of the planets with rings



Venus

Venus has a beautiful name and it's hot



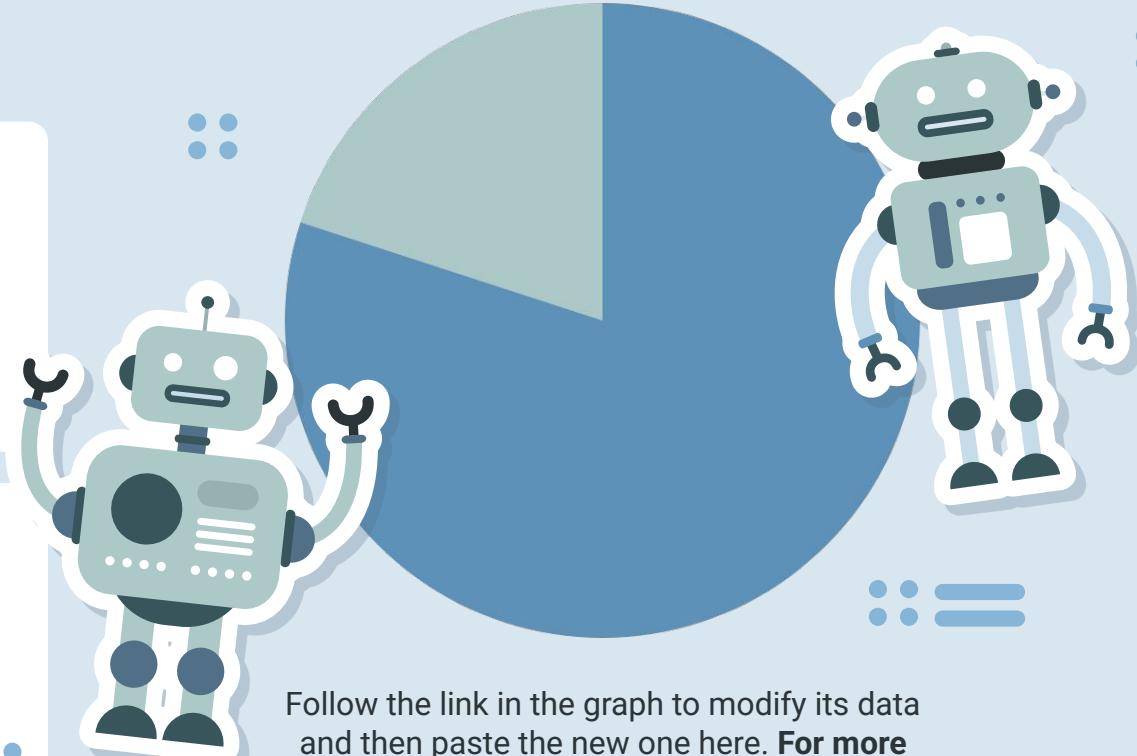
Budget

■ 20% Saturn

Saturn is one of the planets with rings

■ 80% Venus

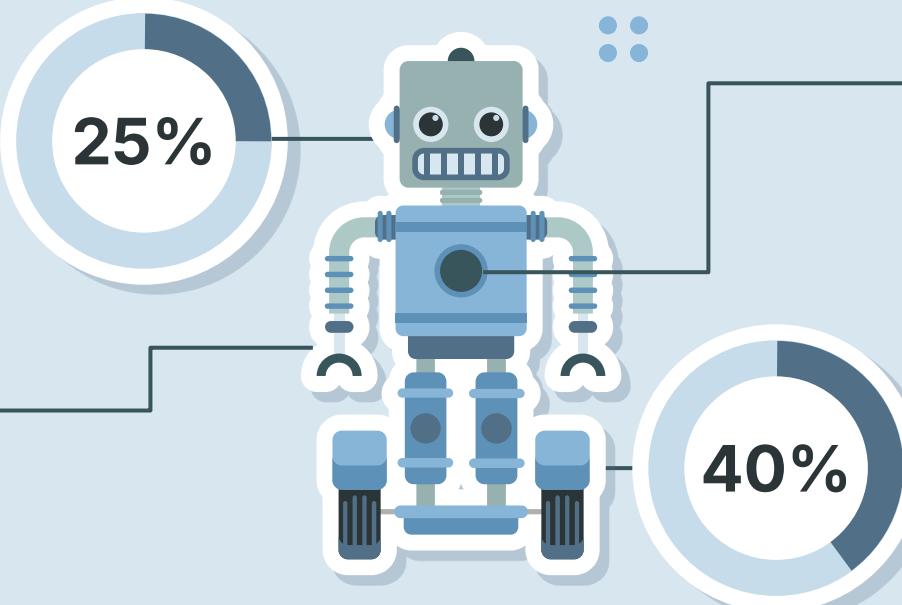
Venus has a beautiful name and it's hot



Budget allocation

Jupiter

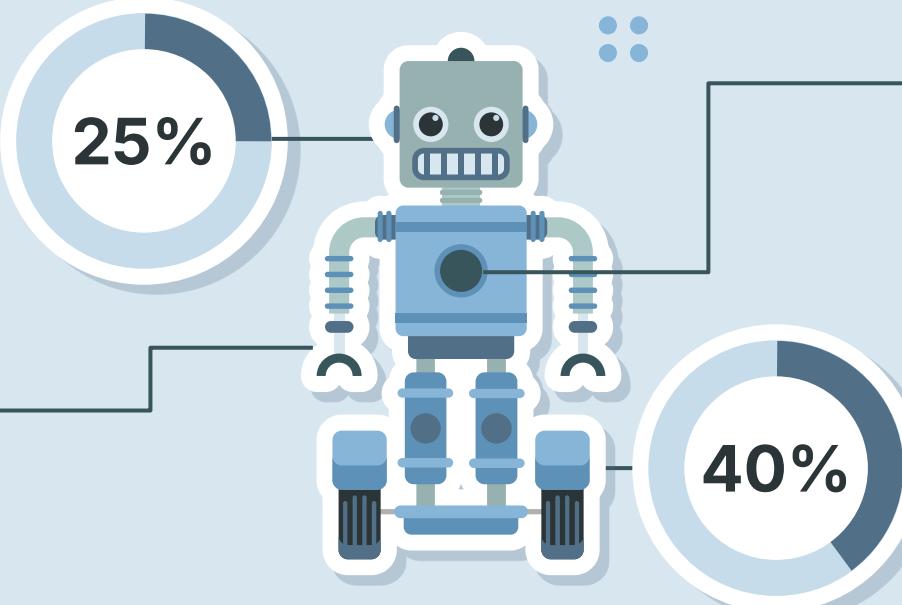
It is the biggest planet of them all



25%

Mercury

It is the closest planet to the Sun



40%

Venus

Venus has high temperatures

Neptune

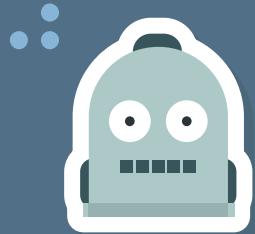
Neptune is very far from the Sun

Some data comparisons

	Mass	Diameter	Gravity
Mercury	0.06	0.38	0.38
Mars	0.11	0.53	0.38
Saturn	95.2	9.4	1.16

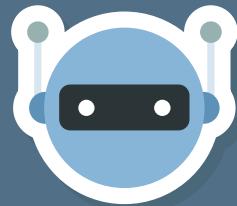


Project goals



Goal 1

Venus is the second planet from the Sun



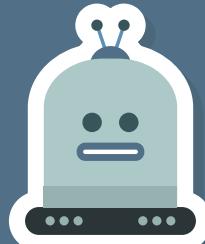
Goal 2

Jupiter is the biggest planet of them all



Goal 3

Despite being red, Mars is a cold place

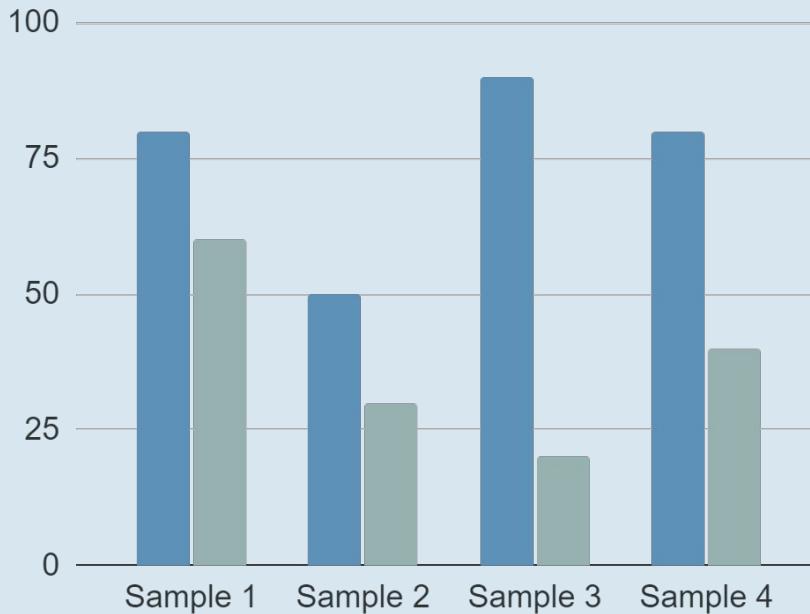


Goal 4

Saturn is a gas giant and has several rings



Predicted results



Saturn

Saturn is one of the planets with rings

Venus

Venus has a beautiful name and it's hot

Follow the link in the graph to modify its data and then paste the new one here. [For more info, click here](#)



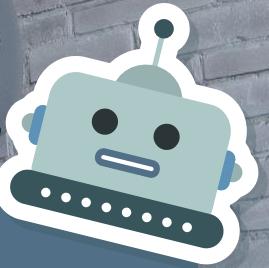


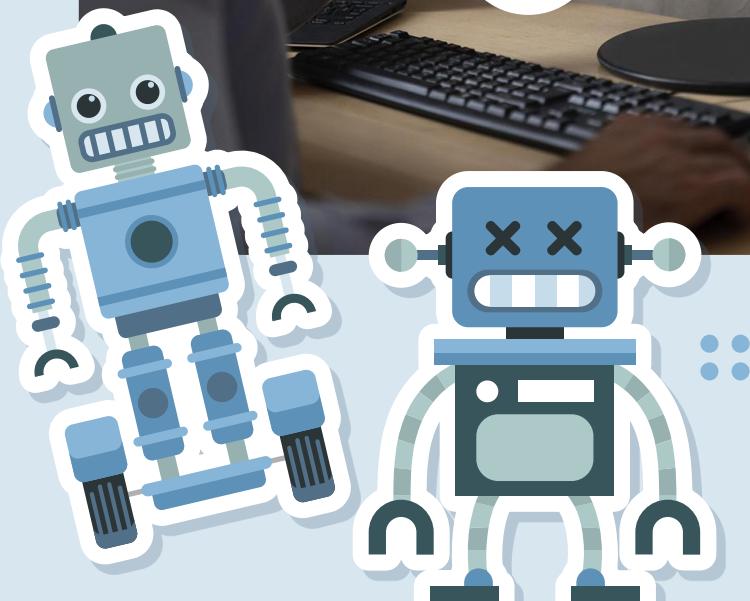
7,498

Big numbers catch your audience's attention



A picture is worth
a thousand words





Sneak peek

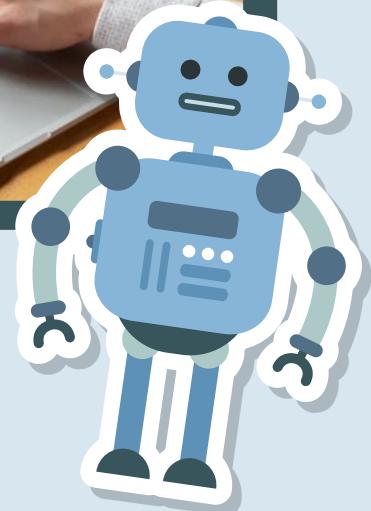
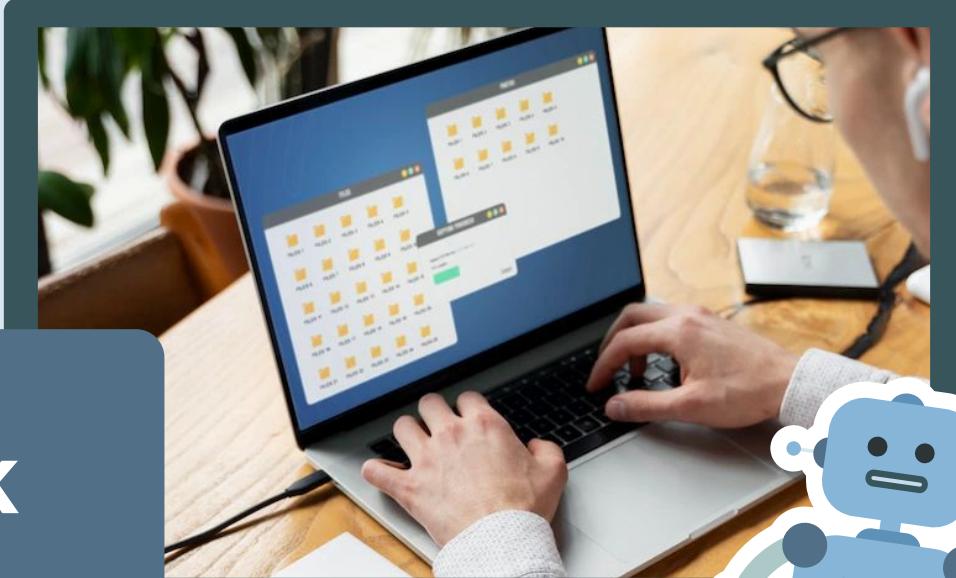
Images reveal large amounts of data, so remember: use an image instead of a long text. Your audience will appreciate it





Sneak peek

You can replace the image on the screen with your own work. Just right-click on it and select "Replace image"



Project stages

Stage 1

Mercury is the closest planet to the Sun

Stage 2

Venus is the second planet from the Sun

Stage 3

Mars is actually a very cold place

Stage 4

Jupiter is the biggest planet of them all

Stage 5

Saturn is composed of hydrogen and helium

Stage 6

Neptune is the farthest planet from the Sun

Timeline



2018

2019

2020

2021



Mars

Despite being red, Mars is a very cold planet full of iron

Mercury

Mercury is actually the closest planet to the Sun

Saturn

Saturn is one of the planets with rings. It's also a gas giant

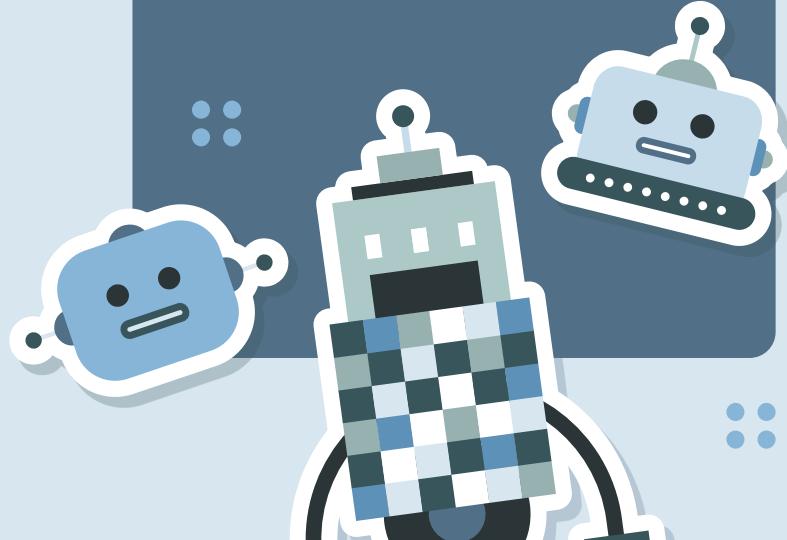
Venus

Venus has a beautiful name, but is a terribly hot place





Our partners



Venus

Venus is the second planet from the Sun



Neptune

It's the farthest planet from the Sun



Mars

Despite being red, Mars is a cold place



Saturn

It is a gas giant and has several rings



Our team



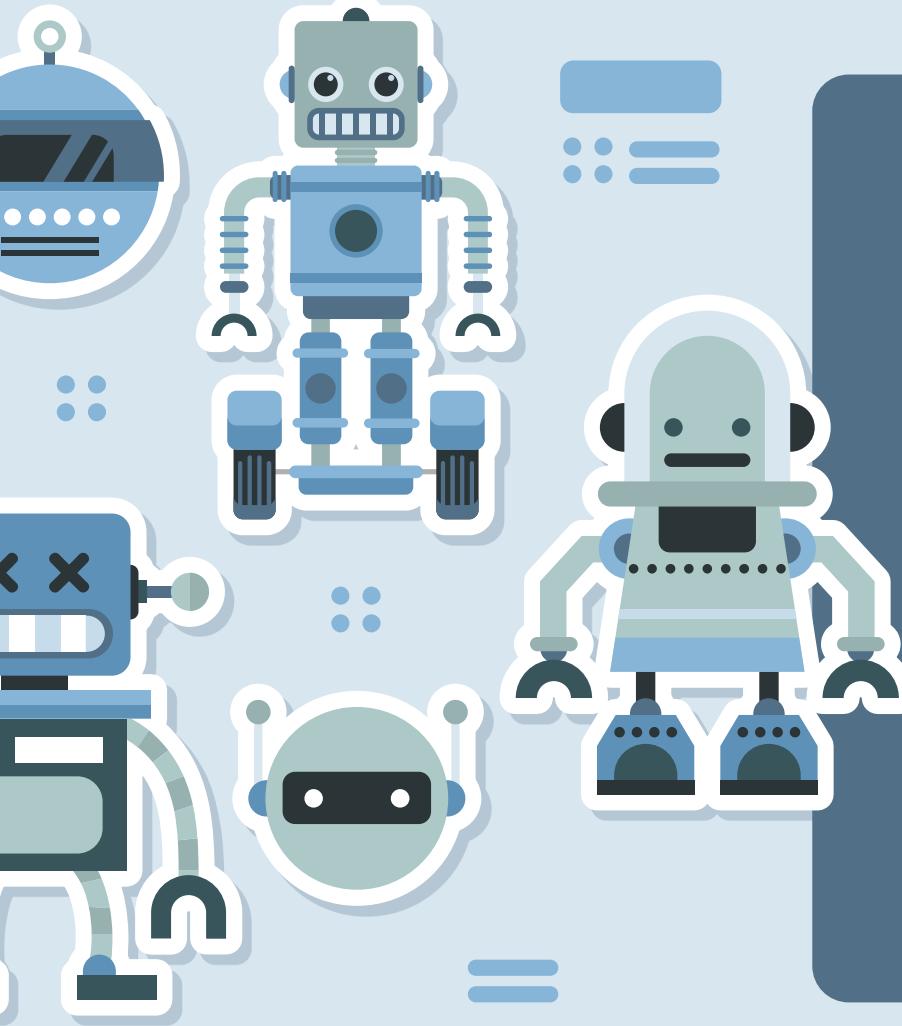
Timmy Jimmy

You can speak a bit about
this person here



Susan Bones

You can speak a bit about
this person here



Thank you!

Does anyone have any
questions?

youremail@freepik.com

+91 620 421 838

yourcompany.com



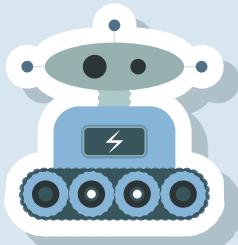
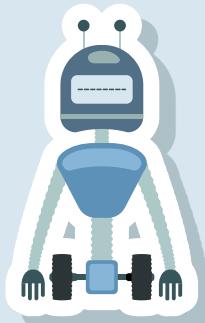
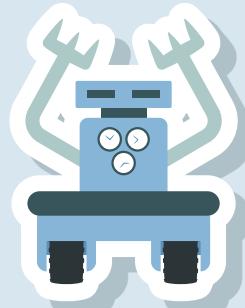
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- Flat robot character collection



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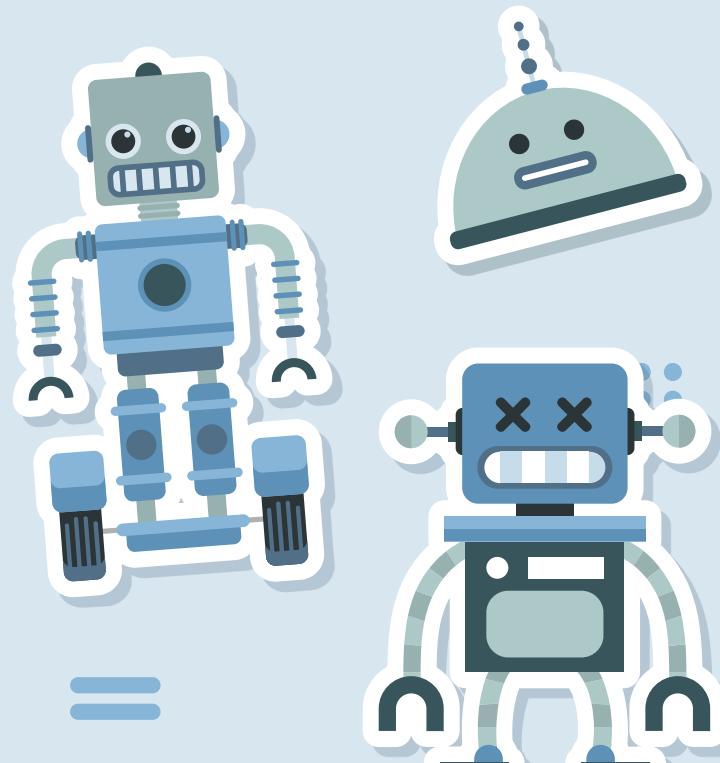
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- Close up hand pointing at monitor
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- Side view beautiful woman posing
- Volunteer holding a box containing donations for charity

Vectors:

- Flat design robot character collection (I)
- Flat design robot character collection (II)
- Flat design robot character collection (III)
- Flat design robot character collection (IV)



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Pana



Amico



Bro



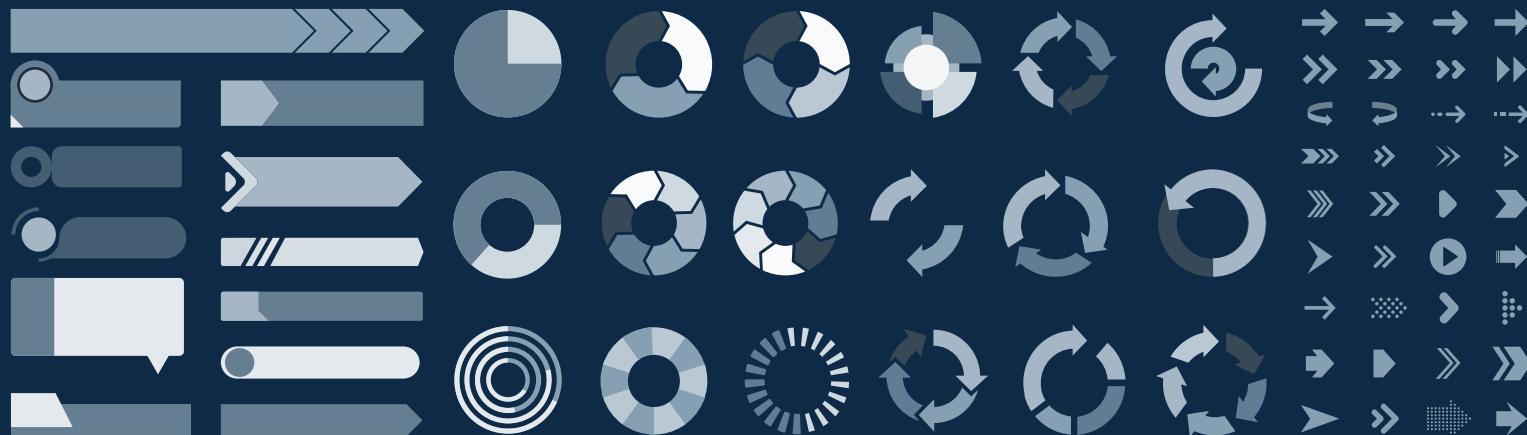
Rafiki



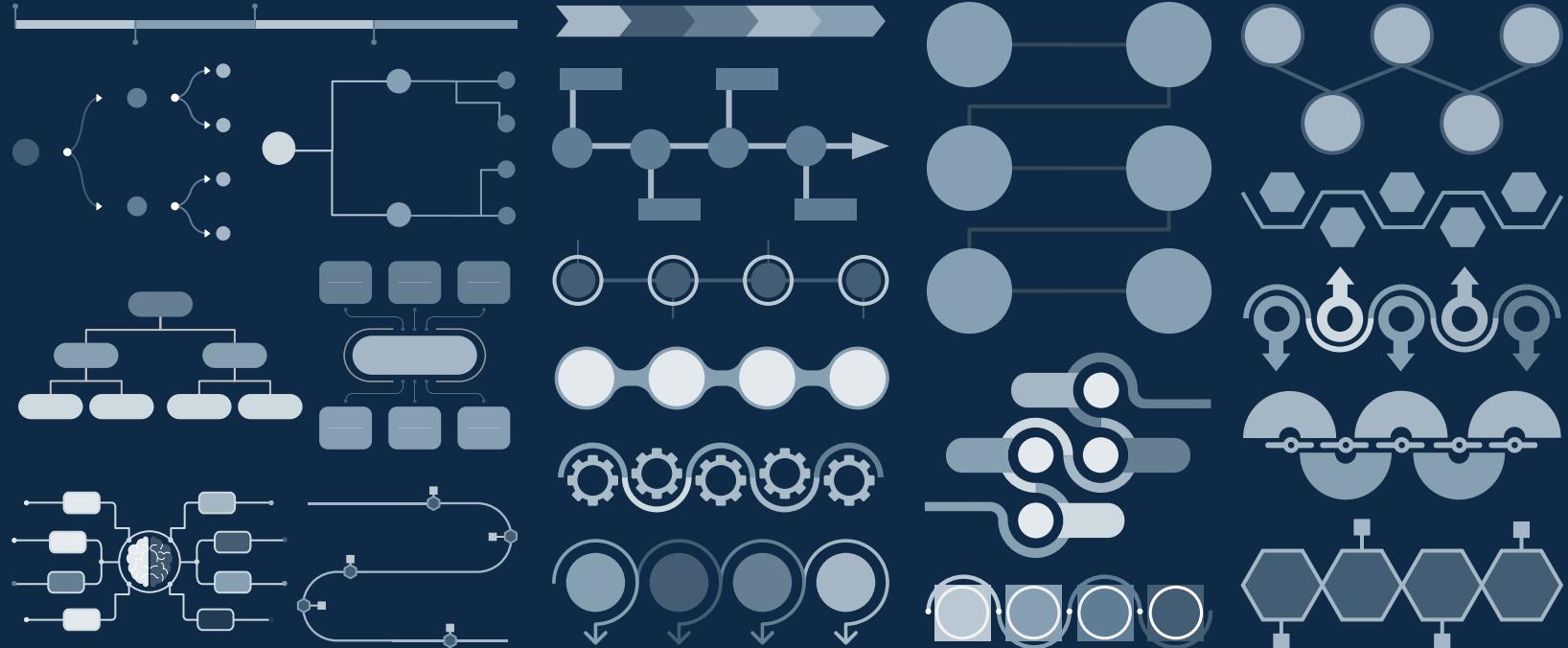
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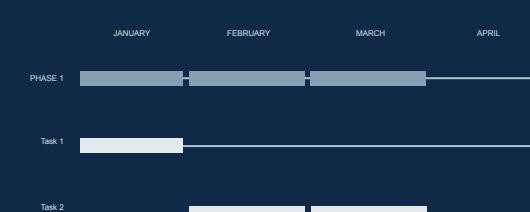
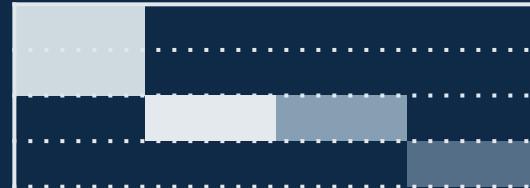
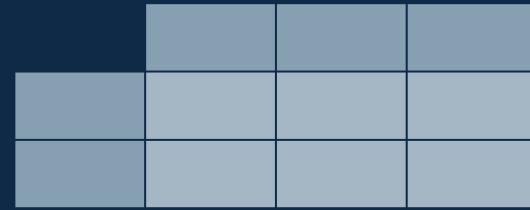
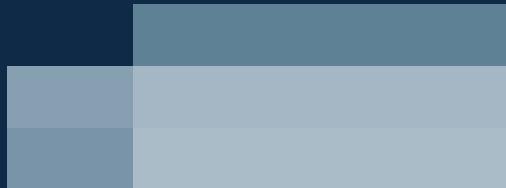
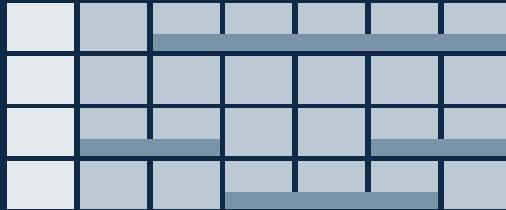
Use our editable graphic resources...

You can easily resize these resources without losing quality. To change the color, just ungroup the resource and click on the object you want to change. Then, click on the paint bucket and select the color you want. Group the resource again when you're done. You can also look for more infographics on Slidesgo.

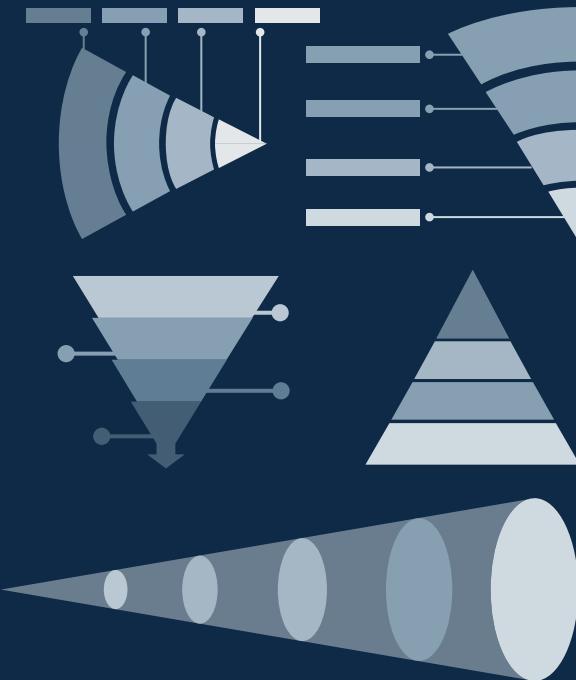
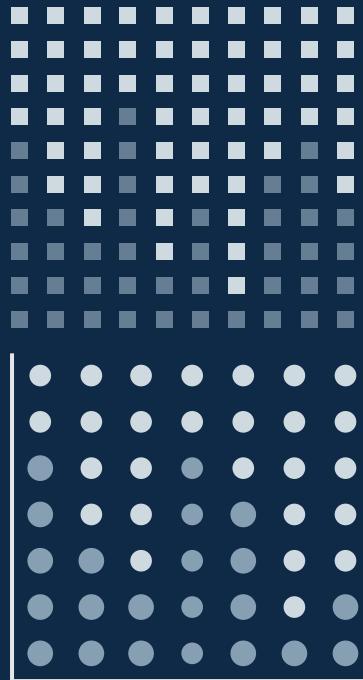












...and our sets of editable icons

You can resize these icons without losing quality.

You can change the stroke and fill color; just select the icon and click on the paint bucket/pen.

In Google Slides, you can also use Flaticon's extension, allowing you to customize and add even more icons.



Educational Icons



Medical Icons



Business Icons



Teamwork Icons



Help & Support Icons



Avatar Icons



Creative Process Icons



Performing Arts Icons



Nature Icons



SEO & Marketing Icons



