



# Chatbot With python

I will build and deploy a very simple Artificial Intelligent Chatbot. I will use the flask method to deploy the chatbot and the chatterbot package in python to build a chatbot. For building and deploying a chatbot successfully you should be familiar with flask and HTML frameworks. Yes obviously, you should be very good with Python and most importantly the Chatterbot library in python to build this AI chatbot

Now, before we build and deploy a chatbot let's go through some basics of what a chatbot is and how it works. If you don't want to go through the basics then you will find the code to build and deploy a chatbot at the end

in [7]:

```
# Create training data
training_sentences = [
    "What would you like to have for dinner?",
    "What do you want to eat tonight?",
    "I don't know what to cook tonight.",
    "Do you have any cravings?",
    "Can I get you something to eat?",
    "What time will you be home?",
    "How much longer will you be?",
    "When can we expect you to get here?",
    "What's taking you so long?",
    "At what hour will you be here?"

]

training_intents = [
    "dinner_preference",
    "dinner_preference",
    "dinner_preference",
    "dinner_preference",
    "dinner_preference",
    "arrival_time",
    "arrival_time",
    "arrival_time",
    "arrival_time",
    "arrival_time"

]
```

In [12]:

```
responses_ml = {
    "dinner_preference": "Pasta with salmon
and red pesto please!",
    "arrival_time": "I will be home around
6 pm.",
    "default": "I like you too!"
}

def respond_ml(text):
    response = responses_ml.get(get_intent_
ml(text), responses_ml["default"])
    return(output_format.format(input=text,
output=response))
```

In [13]:

```
print(respond_ml("what would you like to ea
t tonight?"))
print(respond_ml("what time will you be hom
e tonight?"))
print(respond_ml("1"))
```

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IN: what would you like to eat tonight?

OUT: Pasta with salmon and red pesto please!

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IN: what time will you be home tonight?

OUT: I will be home around 6 pm.

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IN: 1

OUT: Pasta with salmon and red pesto please!

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