Python and Javascript for LLM Applications

Learn only what you need

Introduction

Python and LLM Apps

- Most AI frameworks are written in Python.
- We can use Python for server-side app development.
- FastAPI.

JS and LLM Apps

- Web applications.
- Mostly frontend, also backend.
- React, Next.js, Vercel.

Python syntax

- No ;
- Indentation.
- Variables not declared.

JS syntax

- Yes ;
- Declare variables, or not.

Python execution

- Jupyter notebooks.
- Code editor.

JS execution

- Jupyter notebooks.
- Browser’s console.
- Code editor.

Python data types

- Arrays are called Lists.
- Objects are called Dictionaries.
- Tuples: unchangeable lists.

JS data types

- Arrays.
- Objects.

Python functions

- Declared with def.
- Peculiar: *args & **kargs.
- Peculiar: lambda functions.
- Peculiar: lambda function inside regular function.

JS functions

- Declared with function.
- Peculiar: arrow functions.
- Peculiar: arrow function inside another arrow function.

Python Classes & Objects

- OO language: everything is an O.
- Declared with class
- __init__
- self
- __str__: string representation
- Empty class: use pass
- Object declared with Class()

JS Classes & Objects

- .
- Declared with class
- constructor
- this
- .
- .
- Object declared with new Class()

Python Methods & Props

- Nothing peculiar

JS Methods & Props

- Nothing peculiar

Python Inheritance

- class Student(Person)

JS Inheritance

- class Student extends Person

Python modules

- import

JS modules

- import

Python packages

- pip install
- pypi.org

JS packages

- npm install
- npmjs.com

Python debugging

- Try… except
- Raise exception

JS debugging

- Try… catch
- Throw new Error
- Browser’s console

Python: other

- User input: input()

JS: other

- User input: prompt()

Python: know where

- Python JSON
- File handling
- Tutorials
  - Scikit
  - Numpy
  - Pandas
  - Matplotlib
  - Machine Learning

JS: know where

- JS Async
- JS JSON