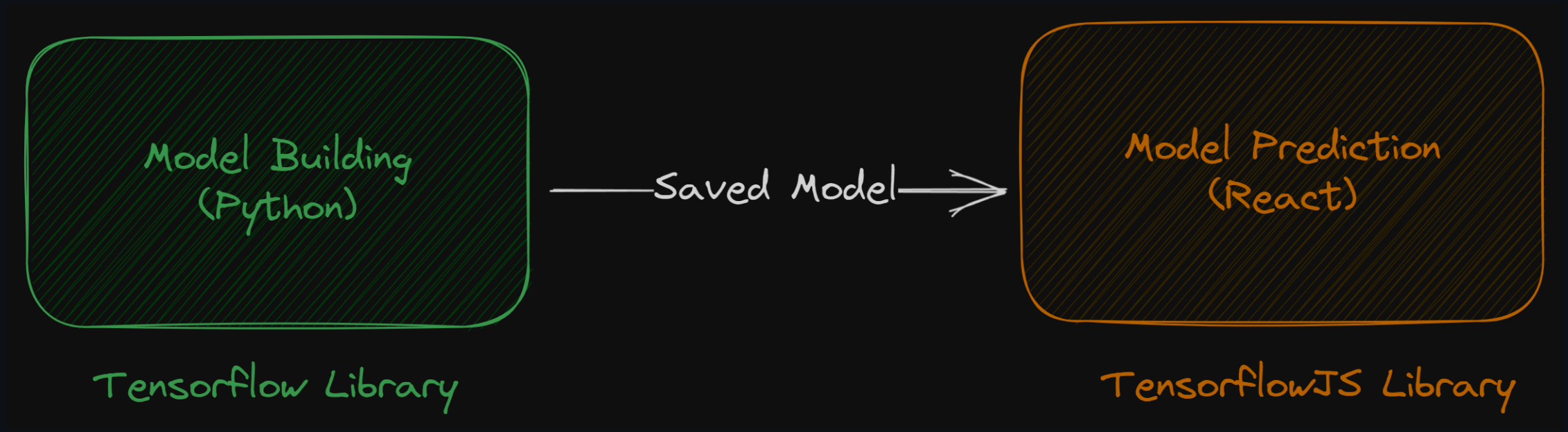
Workshop Technology

AI-powered Application (1)

> House Price Prediction


Model Building
(Python)
Saved Model
Model Prediction
(React)
Tensorflow Library
TensorflowJS Library

AI Model building

- Google Colab
  - You should obtain the saved model (zip).

Setting up `React` (1/2)

- `pnpm create vite`
  - `Project name`: vite-project
  - `Select a framework`: React
  - `Select a variant`: JavaScript + SWC

Setting up `React` (2/2)

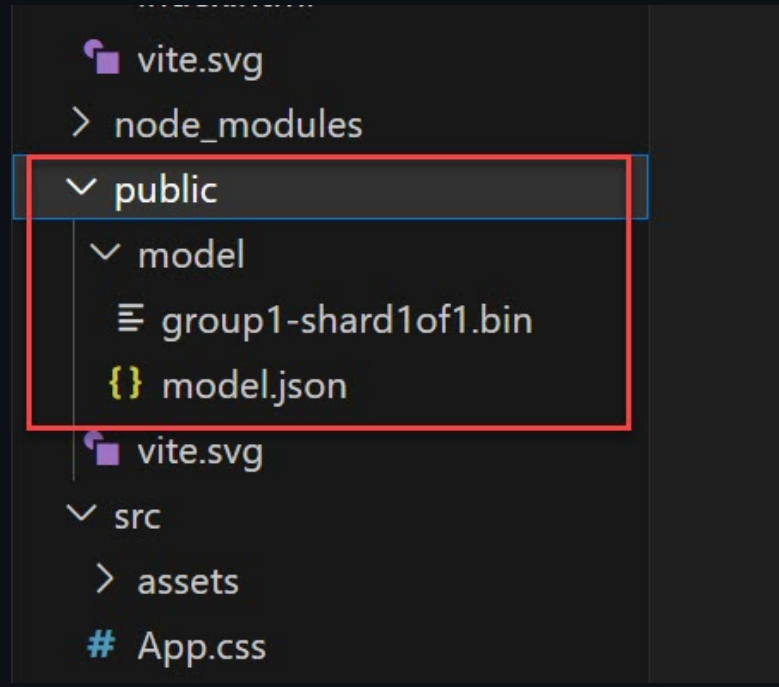
- `cd vite-project`
- `code . -r`
- `pnpm install`
- Install additional library
  - `pnpm install @tensorflow/tfjs @tensorflow/tfjs-converter`
- `pnpm run dev`

Setting up `React` (3/3)

- Change title in `index.html`
- Clear content in `src/index.css` and `src/App.css`

Model location

- Extract the zip file.
- Place the contents inside `./public/model` folder



Main files

- `src/model.js`
- `src/App.jsx`
- Optional
  - `src/App.css`

Deployment

- `pnpm run build`
- Use VeePN Chrome extension
  - Check your IP here.
- Sign up/ In for Netlify.

AI-powered Application (2)

> Cloth size prediction

Codes

- Google Colab
- React app
  - `src/model.js`
  - `src/App.jsx`
  - `src/App.css`