From fastapi import FastAPI

From fastapi.middleware.cors import CORSMiddleware

App = FastAPI()

# Allow frontend (React at port 3000) to connect

App.add\_middleware(

CORSMiddleware,

Allow\_origins=[“\*”],

Allow\_credentials=True,

Allow\_methods=[“\*”],

Allow\_headers=[“\*”],

)

# Root route to avoid 404 at ‘/’

@app.get(“/”)

Def root():

Return {“message”: “Traffic Light Controller server is running!”}

# Dummy metrics for now (replace with your SUMO agent values later)

@app.get(“/metrics”)

Def get\_metrics():

Return {

“step”: 10,

“queue\_lengths”: [3, 5, 2, 4],

“wait\_time”: 15,

“phase”: “NS”,

“time\_in\_phase”: 8

}

If \_\_name\_\_ == “\_\_main\_\_”:

Import uvicorn

Uvicorn.run(“server:app”, host=”127.0.0.1”, port=8000, reload=True)