

# AI Trip planner

The AI Trip Planner helps users create personalized travel plans by analyzing preferences, budgets, and interests. Using OpenAI's GPT-4, it suggests optimal routes and activities, and provides real-time updates on traffic and weather. This makes trip planning easier and less stressful, solving the problem of coordinating all the activities and timetable.

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Context of use: Education  
Level of education: Bachelor

# Technology Impact Cycle Tool

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## Impact on society

What impact is expected from your technology?

*This category is only partial filled.*

### **What is exactly the problem? Is it really a problem? Are you sure?**

It's a pain of stressing out what to do in the city you've chosen to go on vacation. It's time wasting and energy consuming to search up things to do in a place that is unknown to you. Also to plan the route and make a dayplan. This is espacially painful for tourists going to another country to visit and they don't know what's there to do.

### **Are you sure that this technology is solving the RIGHT problem?**

*This question has not been answered yet.*

### **How is this technology going to solve the problem?**

*This question has not been answered yet.*

### **What negative effects do you expect from this technology?**

*This question has not been answered yet.*

### **In what way is this technology contributing to a world you want to live in?**

*This question has not been answered yet.*

### **Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.**

*This question has not been answered yet.*

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## Hateful and criminal actors

What can bad actors do with your technology?

*This category is only partial filled.*

### **In which way can the technology be used to break the law or avoid the consequences of breaking the law?**

The application could be exploited to track users' movements and activities without their consent, effectively spying on them

### **Can fakers, thieves or scammers abuse the technology?**

*This question has not been answered yet.*

### **Can the technology be used against certain (ethnic) groups or (social) classes?**

*This question has not been answered yet.*

### **In which way can bad actors use this technology to pit certain groups against each other? These groups can be, but are not constrained to, ethnic, social, political or religious groups.**

*This question has not been answered yet.*

### **How could bad actors use this technology to subvert or attack the truth?**

*This question has not been answered yet.*

### **Now that you have thought hard about how bad actors can impact this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Privacy

Are you considering the privacy & personal data of the users of your technology?

*This category is only partial filled.*

### **Does the technology register personal data? If yes, what personal data?**

No, this is a prototype so only the choices of city, days, persons will be saved. No account login/register.

### **Do you think the technology invades the privacy of the stakeholders? If yes, in what way?**

*This question has not been answered yet.*

### **Is the technology is compliant with prevailing privacy and data protection law? Can you indicate why?**

*This question has not been answered yet.*

### **Does the technology mitigate privacy and data protection risks/concerns (privacy by design)? Please indicate how.**

*This question has not been answered yet.*

### **In which way can you imagine a future impact of the collection of personal data?**

*This question has not been answered yet.*

### **Now that you have thought hard about privacy and data protection, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Human values

How does the technology affect your human values?

*This category is only partial filled.*

### **How is the identity of the (intended) users affected by the technology?**

If two friends use the product to plan trips together, it can enhance their relationship by providing a collaborative way to organize their travels, ensuring both parties preferences are considered. If the recommendations heavily favor one users preferences over the others, it could lead to conflict. The product creates new ways for people to interact by facilitating the sharing of travel plans and recommendations. Users can share their experiences, creating social connections.

### **How does the technology influence the users' autonomy?**

*This question has not been answered yet.*

### **What is the effect of the technology on the health and/or well-being of users?**

*This question has not been answered yet.*

### **Now that you have thought hard about the impact of your technology on human values, what improvements would you like to make to the technology? List them below.**

*This question has not been answered yet.*

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## Stakeholders

Have you considered all stakeholders?

*This category is only partial filled.*

**Who are the main users/targetgroups/stakeholders for this technology? Think about the intended context by answering these questions.**

**Name of the stakeholder**

Tourists

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Name of the stakeholder**

Frequent travelers

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Name of the stakeholder**

Families

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

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Name of the stakeholder

Travel Agencies

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Name of the stakeholder**

Local Businesses

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Name of the stakeholder**

Transportation services

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Name of the stakeholder**

Data providers

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

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Are you going to take this stakeholder into account?

No

**Name of the stakeholder**

Local communities

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

Are you going to take this stakeholder into account?

No

**Name of the stakeholder**

Regulatory Bodies

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

Are you going to take this stakeholder into account?

No

**Name of the stakeholder**

Technology developers

**How is this stakeholder affected?**

-

**Did you consult the stakeholder?**

No

Are you going to take this stakeholder into account?

No

**Name of the stakeholder**

Environmental Groups

**How is this stakeholder affected?**

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**Did you consult the stakeholder?**

No

**Are you going to take this stakeholder into account?**

No

**Did you consider all stakeholders, even the ones that might not be a user or target group, but still might be of interest?**

-

**Now that you have thought hard about all stakeholders, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Data

Is data in your technology properly used?

*This category is only partial filled.*

### **Are you familiar with the fundamental shortcomings and pitfalls of data and do you take this sufficiently into account in the technology?**

Yes, we are aware of the fundamental shortcomings of data, such as subjectivity, incompleteness, correlation vs. causation issues, and biases. We address these by using diverse data sources, regular audits, fairness-aware algorithms, and a user feedback loop. The AI combines data insights with human judgment for nuanced recommendations. Transparency about data practices ensures users understand the limitations and context of the recommendations.

### **How does the technology organize continuous improvement when it comes to the use of data?**

*This question has not been answered yet.*

### **How will the technology keep the insights that it identifies with data sustainable over time?**

*This question has not been answered yet.*

### **In what way do you consider the fact that data is collected from the users?**

*This question has not been answered yet.*

### **Now that you have thought hard about the impact of data on this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Inclusivity

Is your technology fair for everyone?

*This category is only partial filled.*

### Will everyone have access to the technology?

*This question has not been answered yet.*

### Does this technology have a built-in bias?

If the data used for training the AI primarily comes from certain regions, demographics, or travel patterns, it may favor those over others, leading to biased recommendations. Also if the AI uses past travel data that favors popular tourist spots over lesser-known places, it could continue to recommend only those popular spots and ignore other interesting options.

### Does this technology make automatic decisions and how do you account for them?

*This question has not been answered yet.*

### Is everyone benefitting from the technology or only a a small group?

#### Do you see this as a problem? Why/why not?

*This question has not been answered yet.*

### Does the team that creates the technology represent the diversity of our society?

*This question has not been answered yet.*

### Now that you have thought hard about the inclusivity of the technology, what improvements would you like to make? List them below.

*This question has not been answered yet.*

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## Transparency

Are you transparent about how your technology works?

*This category is only partial filled.*

### **Is it explained to the users/stakeholders how the technology works and how the business model works?**

Yes, the AI Trip Planner explains how it works and why it makes certain recommendations. Users can easily find this information on the website. The goals and the idea behind the technology are clearly stated. Since it's a prototype, there are no accounts, logins, or money involved, ensuring transparency and simplicity.

### **If the technology makes an (algorithmic) decision, is it explained to the users/stakeholders how the decision was reached?**

*This question has not been answered yet.*

### **Is it possible to file a complaint or ask questions/get answers about this technology?**

*This question has not been answered yet.*

### **Is the technology (company) clear about possible negative consequences or shortcomings of the technology?**

*This question has not been answered yet.*

### **Now that you have thought hard about the transparency of this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Sustainability

Is your technology environmentally sustainable?

*This category is only partial filled.*

### **In what way is the direct and indirect energy use of this technology taken into account?**

The more users use our site, the more the OpenAI API will be utilized, which increases overall energy consumption. Ofcourse, we'll use the most efficient model of OpenAI like chatGPT4-mini and not the old ones like 3.5, which consumes more energy and is less effecient.

### **Do you think alternative materials could have been considered in the technology?**

*This question has not been answered yet.*

### **Do you think the lifespan of the technology is realistic?**

*This question has not been answered yet.*

### **What is the hidden impact of the technology in the whole chain?**

*This question has not been answered yet.*

### **Now that you have thought hard about the sustainability of this technology, what improvements would you like to make? List them below.**

*This question has not been answered yet.*

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## Future

Did you consider future impact?

*This category is only partial filled.*

### What could possibly happen with this technology in the future?

If 100 million people use the AI Trip Planner, travel habits and community norms could change a lot. People might depend more on AI for planning trips, making travel easier and more personalized. Communities might get more tourists, which can boost local economies but also cause overcrowding.

### Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one utopian scenario.

*This question has not been answered yet.*

### Sketch a or some future scenario (s) (20-50 years up front) regarding the technology with the help of storytelling. Start with at least one dystopian scenario.

*This question has not been answered yet.*

### Would you like to live in one of this scenario's? Why? Why not?

*This question has not been answered yet.*

### What happens if the technology (which you have thought of as ethically well-considered) is bought or taken over by another party?

*This question has not been answered yet.*

### Impact Improvement: Now that you have thought hard about the future impact of the technology, what improvements would you like to make? List them below.

*This question has not been answered yet.*