

## 1. Descriptions of the service's general input and output.

This microservice exposes a PyTorch neural network model available that can predict an employee's salary based on their demographics and job skills. Hugging Face Spaces and a Gradio web interface are used to deploy the service. This app also provides an user-friendly UI and API access.

## 2. Specific examples of the service's input and output. Include screenshot(s) of a test api call input & output.

### Input features:

- Age: Input a numerical value (18-80)
- Gender: Choose one in the category ("Male", "Female", "Other")
- Education Level: Choose one in the category ("High School", "Bachelor's", "Master's", "PhD")
- Job Title: Choose one in the category ("Data Analyst", "Data Scientist", "Software Engineer", "Product Manager", "Other")
- Years of Experience: Input a numerical value (0-50)

### Output features:

- Prediction Result: A string showing the predicted annual salary in USD

The screenshot shows a web application titled "Salary Prediction Service". At the top, there is a header bar with the title and a GitHub icon followed by the repository name "lisatran183/salary-prediction". Below the header, a sub-header reads "Enter employee information to predict salary using a PyTorch neural network model.". The main interface consists of several input fields and a prediction result area. On the left, there are five input fields: "Age" (30), "Gender" (Female), "Education Level" (Bachelor's), "Job Title" (Data Analyst), and "Years of Experience" (5). On the right, there is a "Prediction Result" section containing a text box with the prediction "Predicted Salary: \$124,429.40". Below this, there is a "Share via Link" button. At the bottom, there are two buttons: "Clear" (gray background) and "Submit" (orange background).

**Salary Prediction Service**

Enter employee information to predict salary using a PyTorch neural network model.

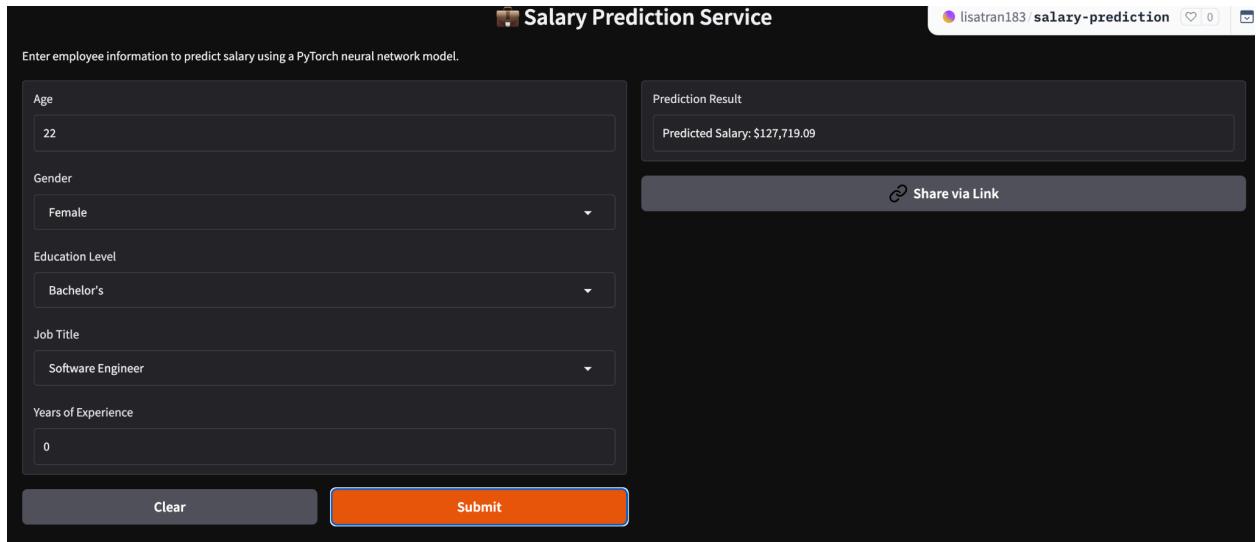
Age	22
Gender	Female
Education Level	Bachelor's
Job Title	Software Engineer
Years of Experience	0

[Clear](#) [Submit](#)

Prediction Result

Predicted Salary: \$127,719.09

[Share via Link](#)



### 3. The URL of the service.

<https://lisatran183-salary-prediction.hf.space/>