Employee Salary Prediction Project

Problem Statement:

Predict the salary of an employee based on features such as experience, education, job title, and other relevant inputs using machine learning algorithms.

Algorithm and Deployment:

- Used Linear Regression, Decision Tree, and Random Forest

- Preprocessed data using Pandas and visualized it with Seaborn

- Trained and tested models, evaluated using MAE and RMSE

- Deployed using Streamlit or Jupyter Notebook

Potential Enhancements:

- Add more features (job title, experience, location)

- Use better models (XGBoost, ensemble)

- Enable real-time prediction via web/API

- Automate data updates

- Build interactive dashboard

- Ensure fairness

- Expand to more domains

- Deploy on cloud

References:

1. https://scikit-learn.org/

2. https://pandas.pydata.org/

3. https://seaborn.pydata.org/

4. https://docs.python.org/3/

5. https://www.kaggle.com/

6. https://colab.research.google.com/