Interim presentation
Software Developer Salary Prediction

Date of presentation:- 20/7/24

Team Details

- Name of team: Data Drillers

- Name of Mentor: Asst. Prof Mounesh Gouda

- Team Members:

  o Aviral

  o Parth Mishra

  o Srushtee Anil Patil

  o Smit Surani

- Team Lead:Aviral

All Milestones

- **Phase 1: Planning and Requirements Gathering**
- Review salary prediction models and data sources from Stack Overflow.
- Define project scope, features, and requirements.

- **Phase 2: Design**
- Design the system architecture using Python, Streamlit, and Jupyter Notebook.
- Plan user interface and user experience.

- **Phase 3: Data Cleaning**
- Preprocess data using pandas and NumPy.
- Clean the dataset to handle missing values, outliers, and inconsistencies.

All Milestones

- **Phase 4: Model Building**

- Develop and train Random Forest,linear regression,decision tree models in Jupyter Notebook.

- Evaluate and refine the model.

- **Phase 5: Development**

- UI/UX : Develop the Streamlit interface for user inputs and displaying results.

- Backend : Integrate the trained model with Streamlit.

- **Phase 6: Testing**

- Conduct functional, performance, and user testing across different browsers and devices.

- **Phase 7: Deployment and User Feedback**

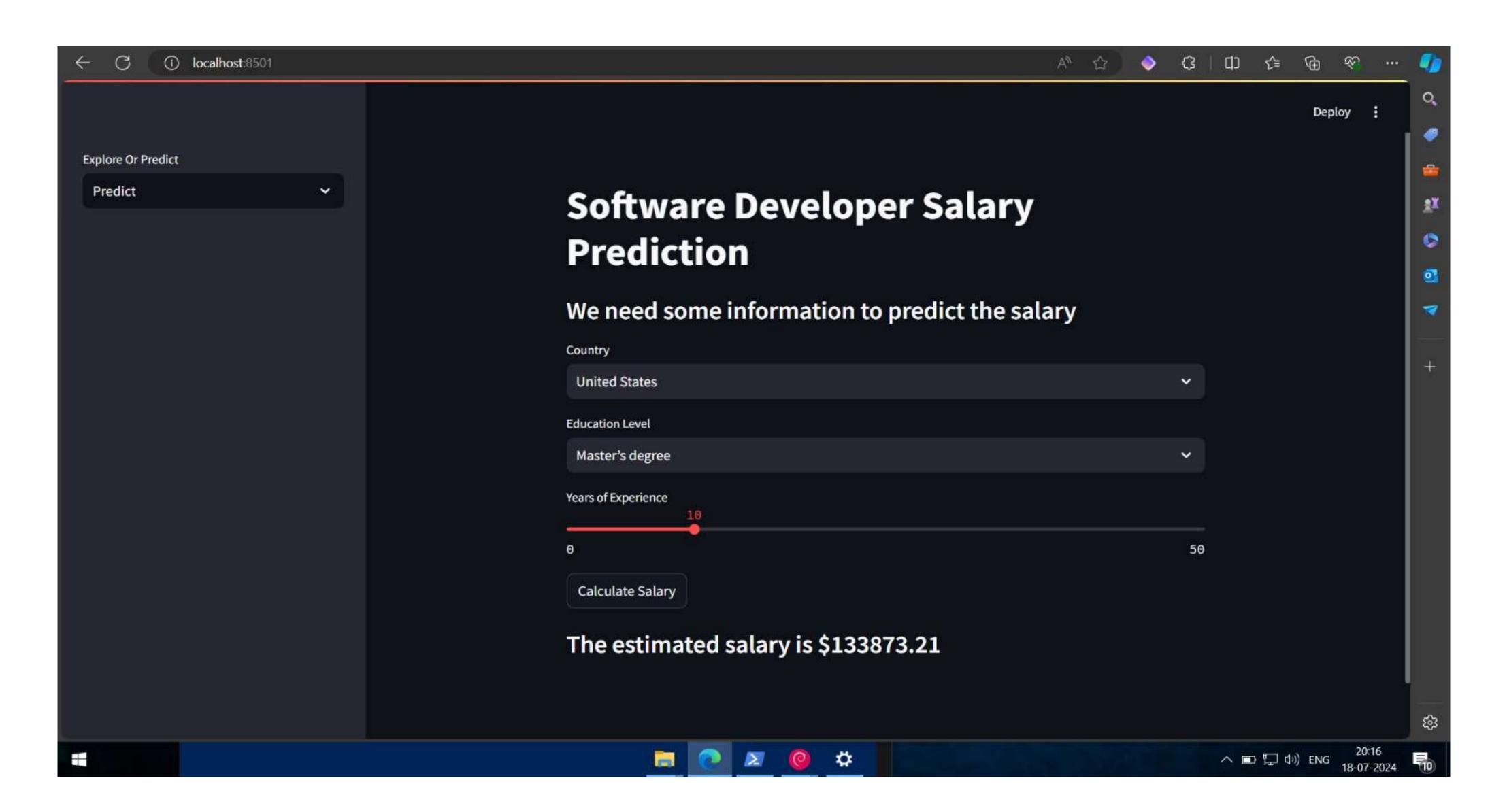- Deploy the application to a production environment.

- Gather user feedback.

Milestones completed with date

Sl. No.	Milestone	Details of work / Tasks related to the milestone	Date of completion	Who was involved in completing each of the tasks	Which technology has been used?
1	project reserarch	●Define project scope ●Identify stakeholders ●Developer project plan	05/06/2024	All	-
2	Design	●Model Design ●Approval of design	10/06/2024	Smit , Parth ,Aviral	Streamlit
3	Data Cleaning	●handle missing values ●clean Inconsistency and errors	12/06/2024	Srushtee Patil	missing values handling, data inconsistency etc
4	Model Building	●Train and test different machine learning models based on the chosen approach.	13/07/2024	Aviral , faizal	linear regression,random forest,decision tree

Pending milestones with possible dates of completion

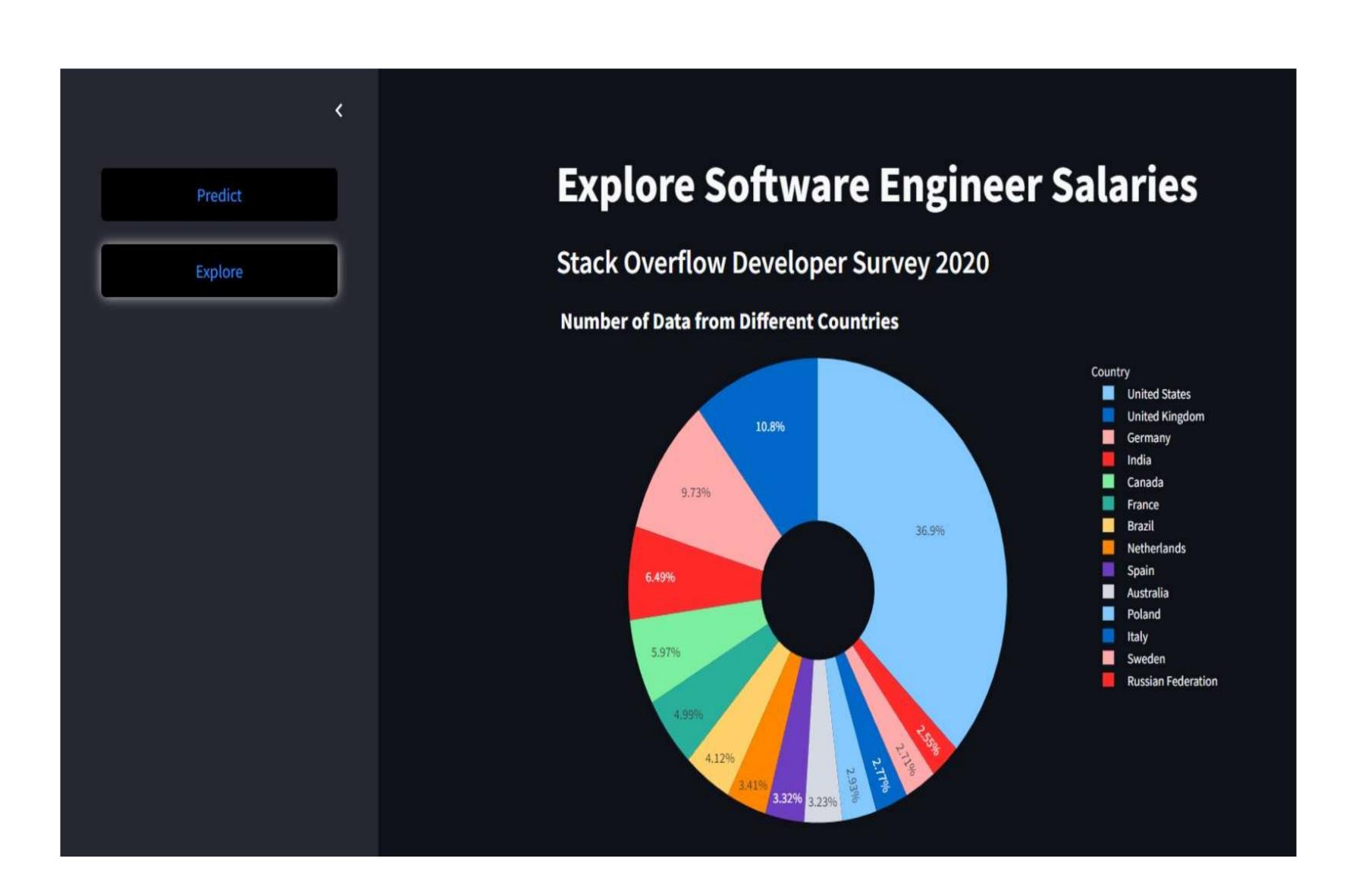| Sl. No.	Milestone	Details of work / Tasks related to the pending milestones	Date of possible completion	Who will complete each of the tasks?	What technology will you use?
5	Frontend Development	●explore page left ●graphs section	24/07/2024	smit and parth	streamlit,pyhton libraries (matplotlib etc)
6	Testing	●Browser compatibility	28/07/2024	parth	browserstack
7	Deployment and User Feedback	●Deployment of frontend and model on GitHub Pages	30/07/2024	smit	github

Details of work done with screenshots

prediction page

Details of work done with screenshots

Explore Page

References used for the project work

- https://survey.stackoverflow.co/2020

- https://www.geeksforgeeks.org/streamlit-introduction-and-setup/

- https://streamlit.io/

- https://www.youtube.com/playlist?list=PLKnIA16_Rmva-wY_HBh1gTH32ocu2SoTr (for linear regression model)