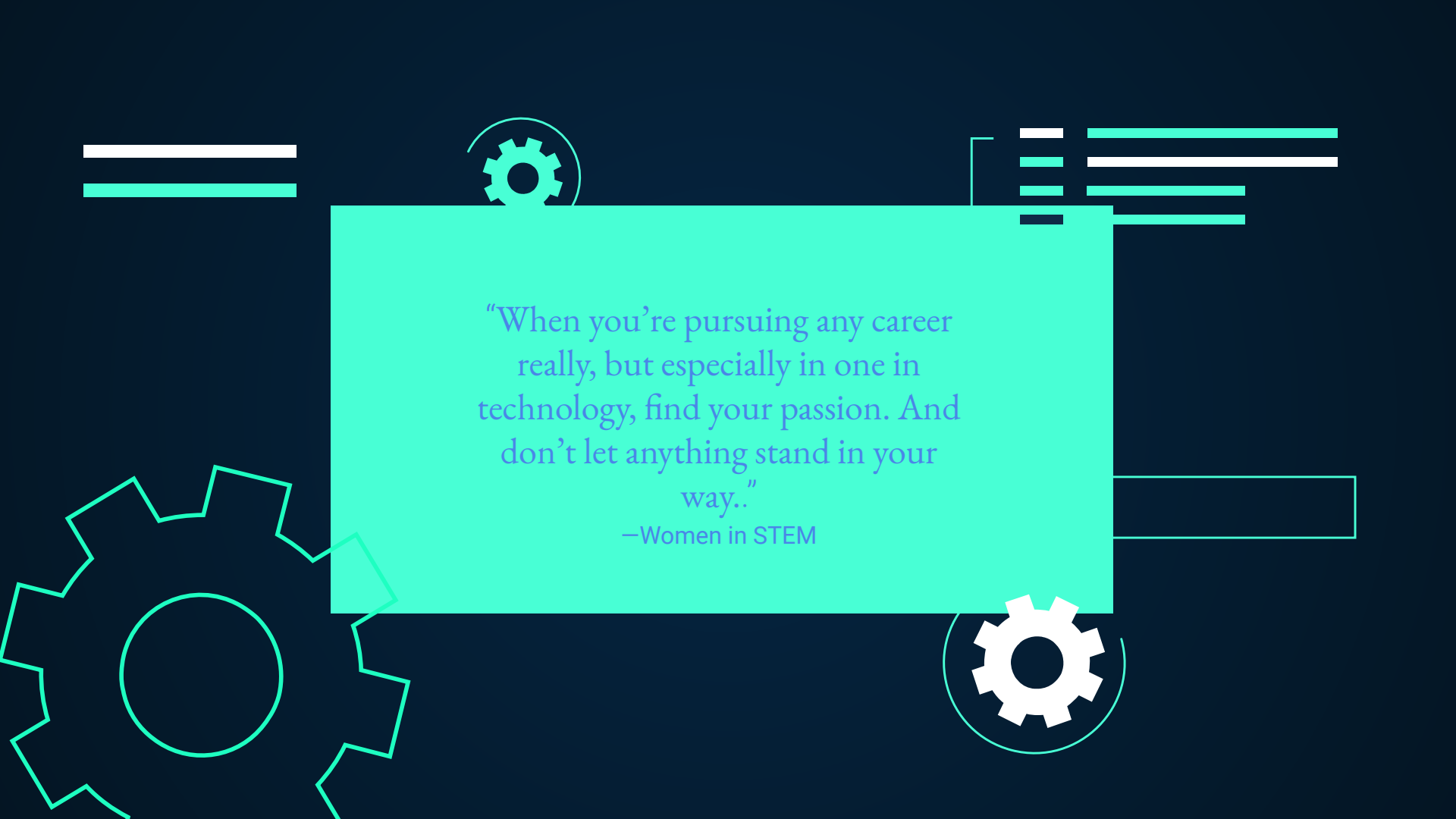**Ada Lovelace Day Hackathon Prelims**

Sonnet-Generator

"When you're pursuing any career really, but especially in one in technology, find your passion. And don't let anything stand in your way.."
—Women in STEM

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THE TEAM

Risha Dassi

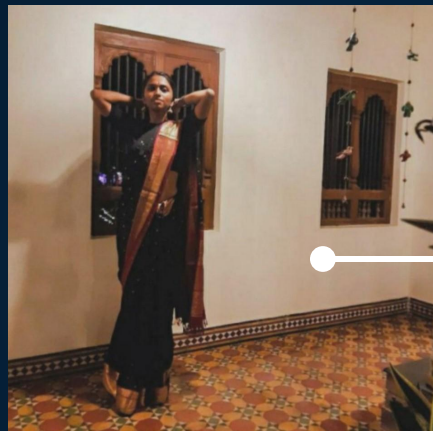Contribution: UI/UX

Expertise: Frontend

Nikitha Srikanth

Contribution: Model Building

Expertise: Backend

THE TEAM

Sai Keerthana

Contribution: Model Deployment
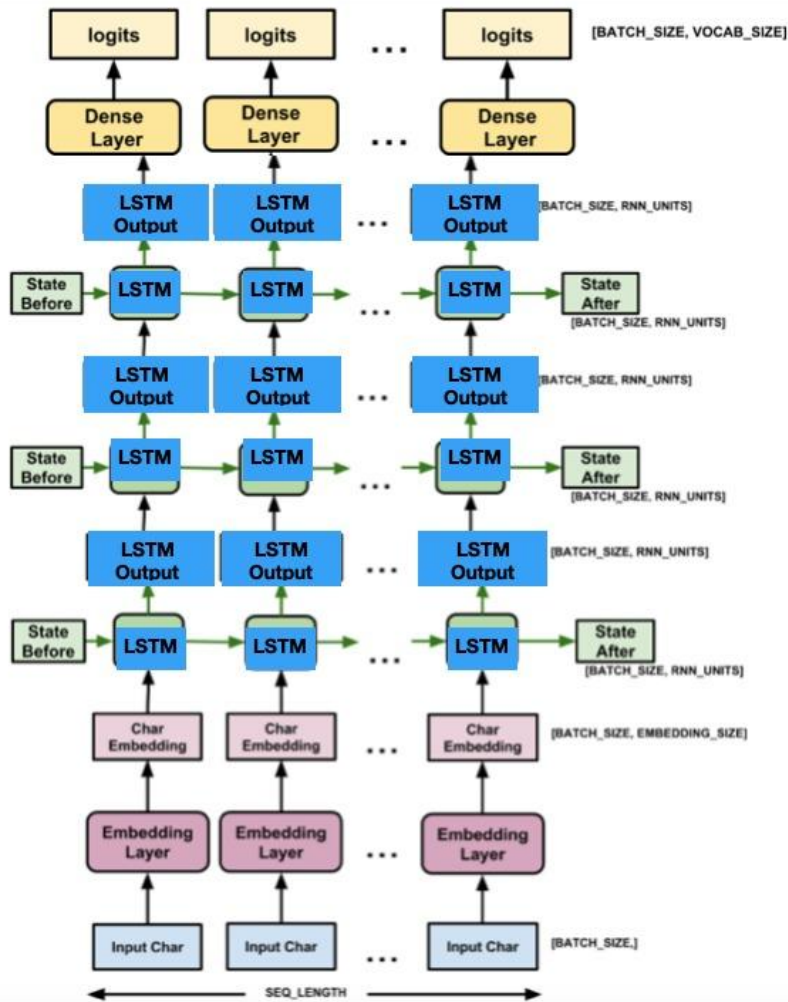
Expertise: Backend

Sakshi Kamal

Contribution: UI/UX

Expertise: Frontend

Technologies Used

- Bootstrap 4
- Flask
- Google Colab
- GitHub
- Heroku
- Tensor Flow

Solution Architecture

Phases

Data Exploration

Modeling

Visualization

1. Data Exploration

Research
Identifying important data

Processing
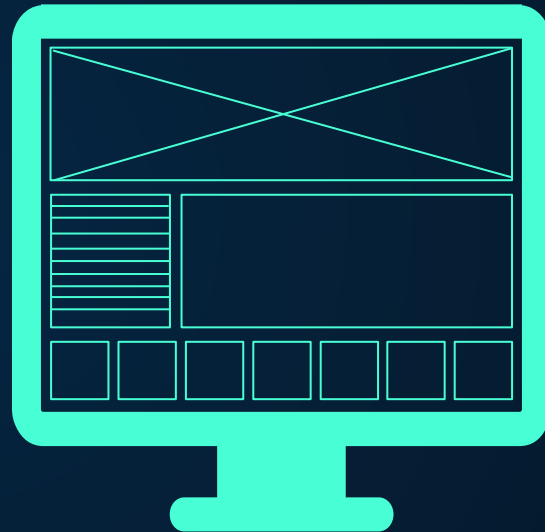Filtering/Processing the data

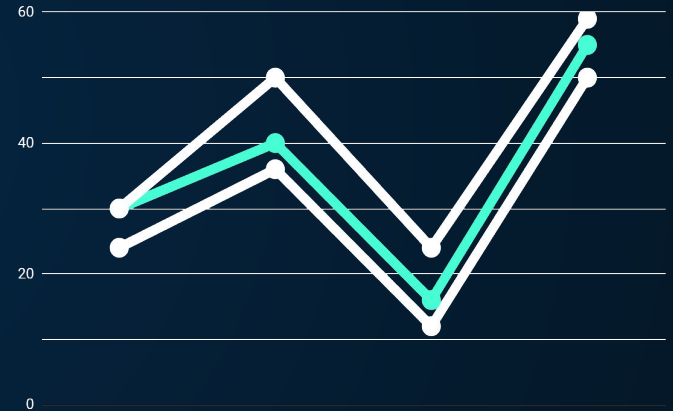**Visualization**
Visualizing Data

2. Modeling

1. Choosing a Model
2. Training the Model
3. Evaluating the Model
4. Parameter Tuning
5. Making Predictions

3. Visualization

This phase is relatively simple in the sense it only entails the amalgamation of the first two phases and the final visceral working of the model.

Frameworks/Tools

Bootstrap for UI

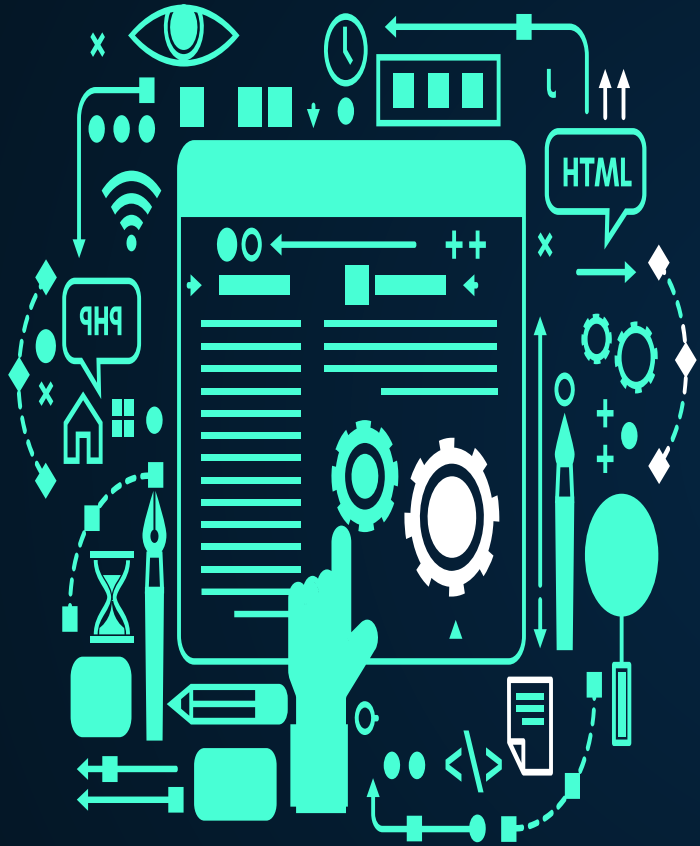For the UI/UX, we have designed a basic layout using HTML, CSS, along with BootStrap4.

Flask- Web App

Flask framework for developing the backend for the web application.
The trained model is loaded here.

Heroku- Paas

Heroku is used to publish our web application.

THANKS!