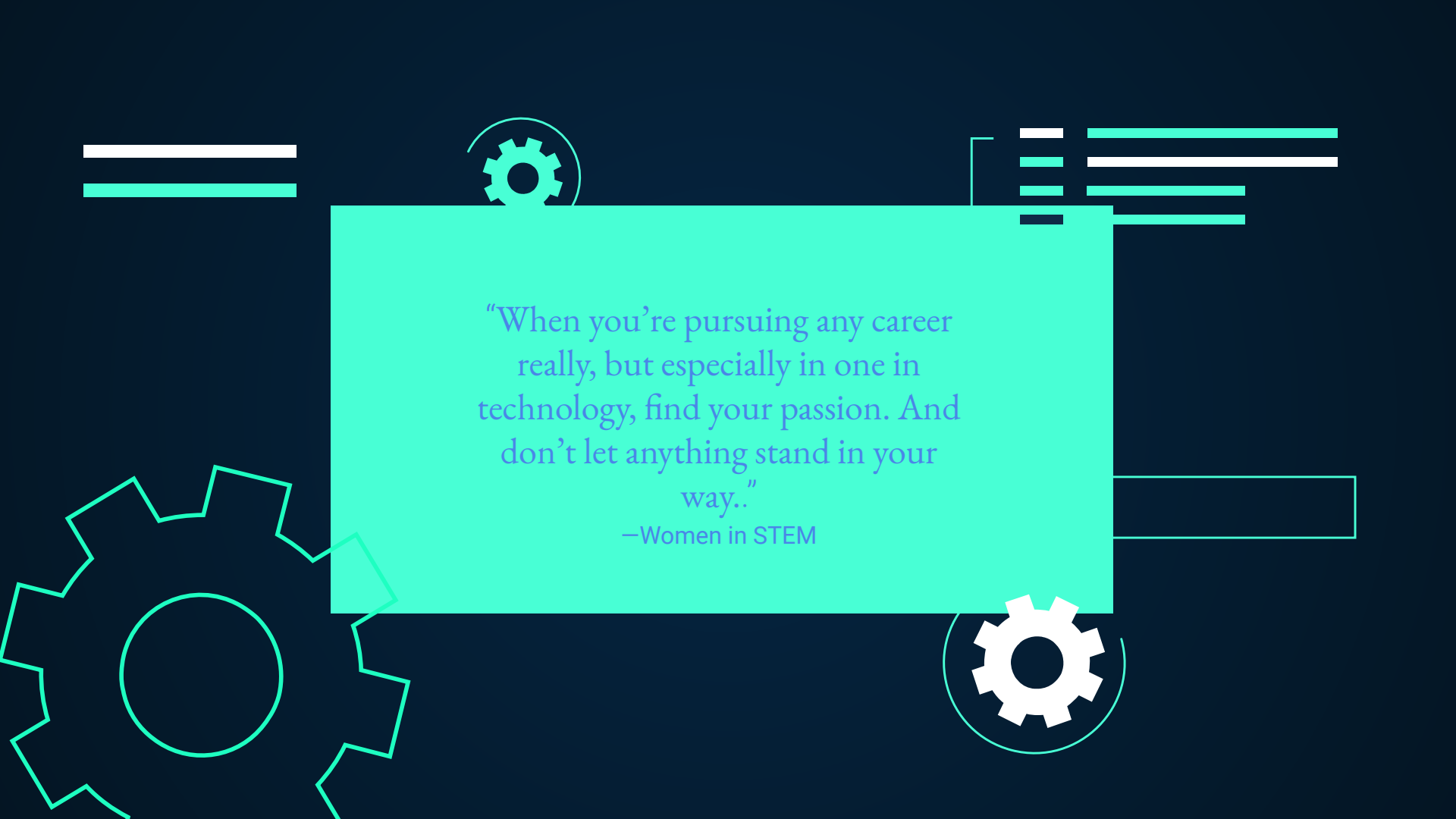


Ada Lovelace Day Hackathon Prelims






Sonnet-Generator

The background is a dark navy blue. It features several decorative elements: a large, light blue gear outline in the bottom left corner; a smaller, solid light blue gear with a circular outline above the central text box; a solid light blue gear with a circular outline in the bottom right corner; and various horizontal and vertical lines in white and light blue scattered across the top and right sides of the image.

“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

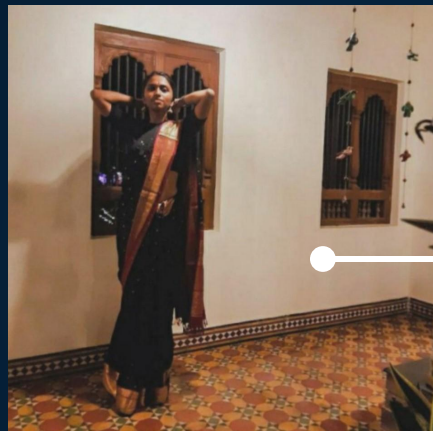


Nikitha Srikanth

Contribution: Model Building

Expertise: Backend

THE TEAM



Sai Keerthana

Contribution: Model Deployment

Expertise: Backend

Sakshi Kamal

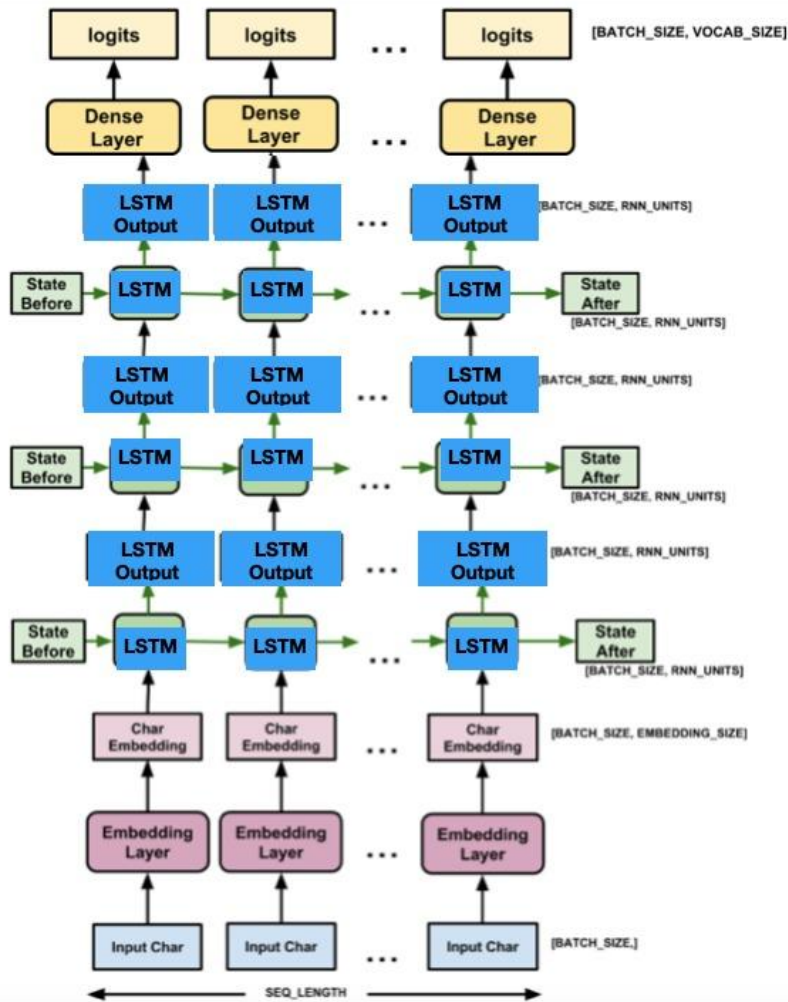
Contribution: UI/UX

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/Processi
ng the data

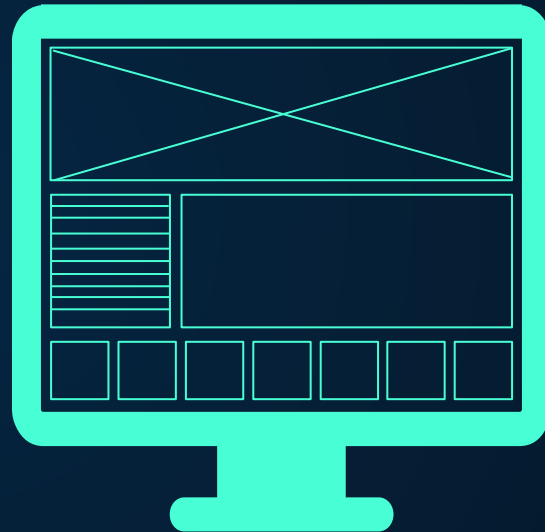


Visualization

Visualizing Data

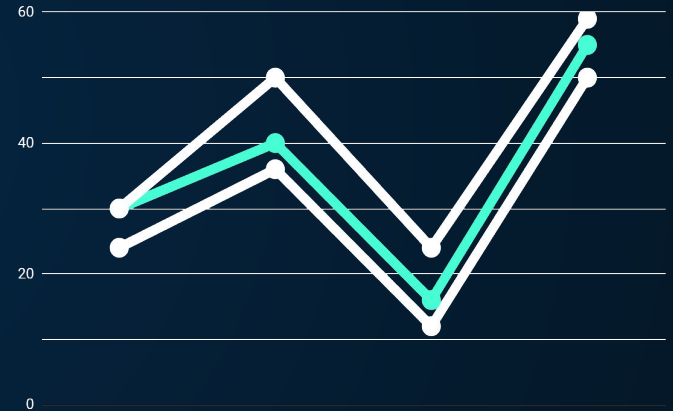
2. Modeling

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.



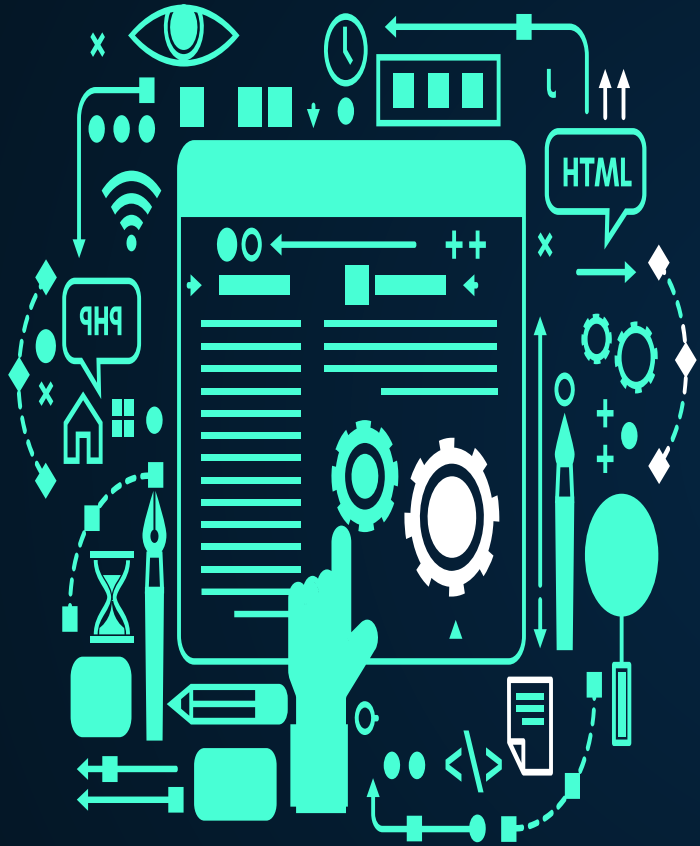
Flask- Web App

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!