PORTFOLIO

MUHAMMAD HUSEIN

CONVOSLI: INDONESIAN SIGN LANGUAGE APP

Ongoing

ConvoSLI is an ongoing mobile app that bridge the gap between non-deaf and deaf people. This apps offer features like practice, image recognition for translation, and text-to-sign translation. This app concept is developed through design thinking process to demonstrate the importance of UX design. With the purposes of this app is to offers both educational and real-world use.

Role

UI/UX Designer

Project Type

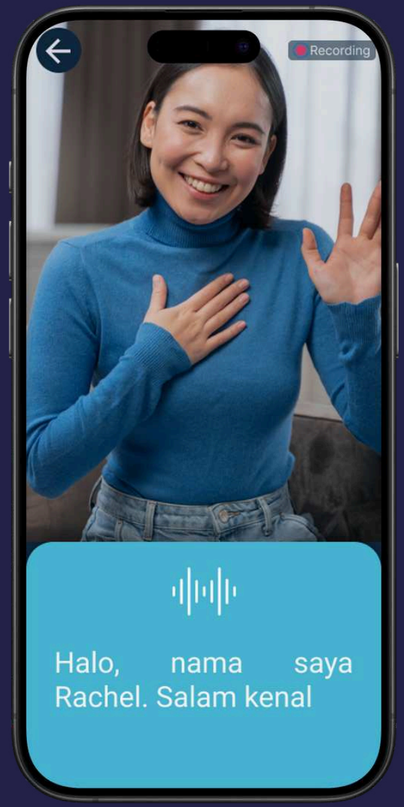
Self-Initiated

Link

https://www.figma.com/design/fMncnuHtR9wAM5MIArlKNG/convoSLI.?node-id=0-1&t=2tVbDF3stquXgFYJ-1

What I learned

- Create a design based on users pain point
- Learn how to apply design thinking to come up with a solution for users problem
- Explored innovative UI solutions and interaction patterns to design a more intuitive and user-friendly experience.



SENTIMENT ANALYSIS X USERS TOWARDS A PRODUCT USING NAIVE BAYES CLASSIFIER

2024

Role

Developer and Researcher

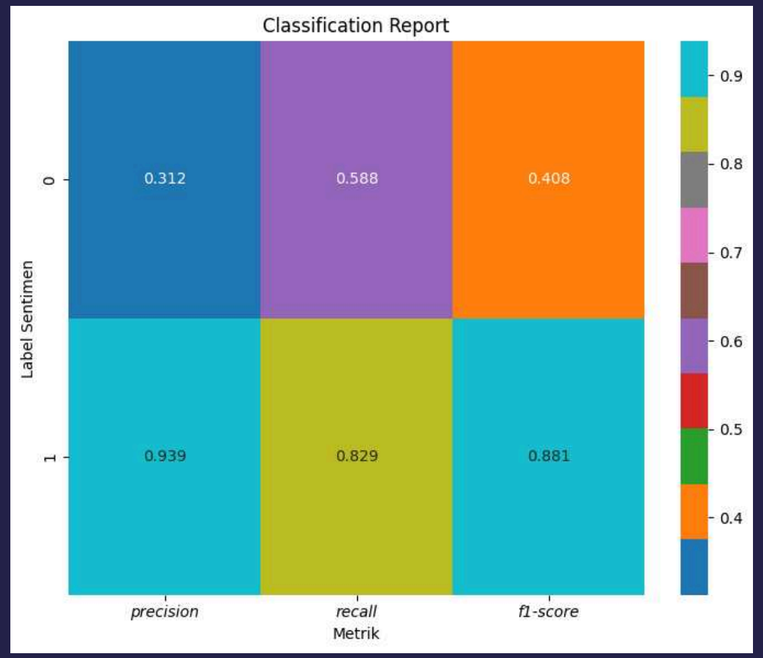
Project Type

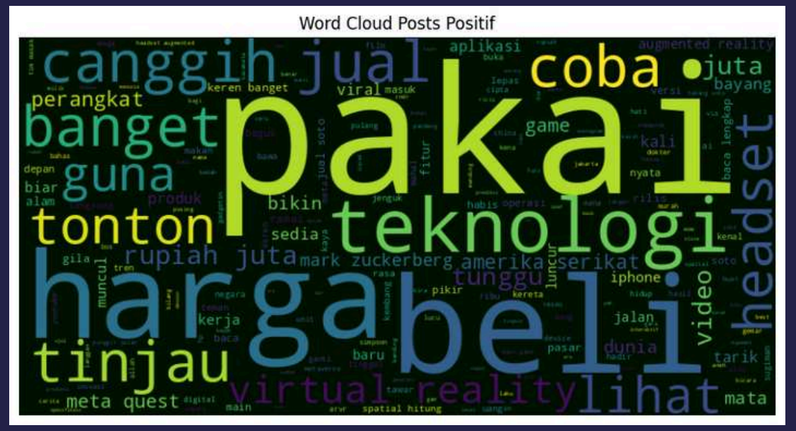
Self-Initiated (Undergraduate Thesis)

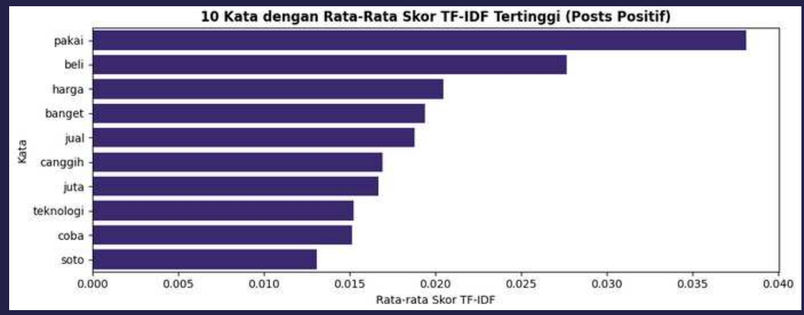
What I learned

- Processing and analysing social media posts with NLP
- Handling an imbalanced dataset with SMOTE and saw the effect on model performance
- The importance of analysis visualization for storytelling and gaining better insights.

Process of develop a model by analyzing the sentiment of social media users towards the product of Apple Vision Pro with Naive Bayes Classifier to understand Indonesian social media users perspective and feeling towards the product by determining if the posts are positive or negative.





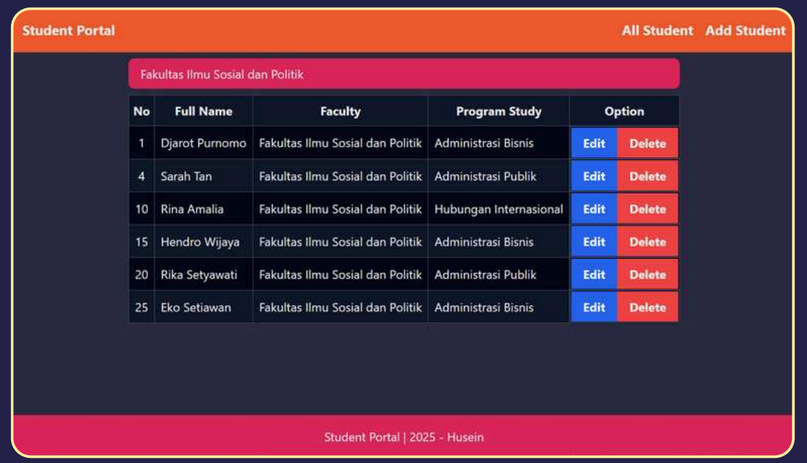


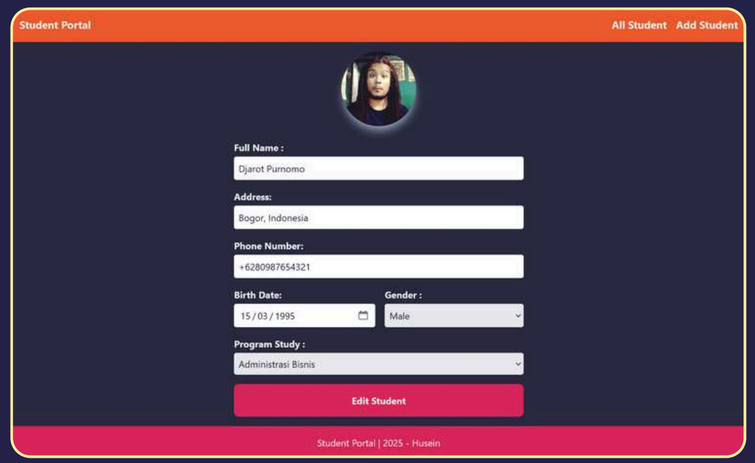
I process about **798 Posts** from Indonesian Users translated to English and Preprocessed (case folding, cleaning, normalization, filtering, and stemming). Weighted the words from the posts using TF-IDF and because there was an issue with the imbalanced data, I handled it with SMOTE. Use the preprocessed data to train the Multinomial Naive Bayes and achieve an accuracy of **80%**, which indicates its effectiveness in detecting positive Posts and finally visualize it for storytelling and better understanding.

REACT STUDENT PORTAL

2023

A Student Portal Web Application for users or admin to manage students data where they can add, edit, and delete students in the table. It's a web app with **CRUD** operations developed using **React + React Router** for the page navigation, Tailwind for the responsive styling, and JSON-server for the students data.





Role

Frontend Developer

Project Type

Capstone Project - Ruangguru

Link

https://github.com/fedexid/student-portal

What I learned

- How to implement a CRUD app with React
- Understanding different uses of React Hooks and Router for navigating
- Realized the importance of a responsive website for different devices

PERSONAL WEBSITE

2024

A personal website to showcase things about me and my projects, pages include Home, Projects, and About Me section. Its build with React + React Router, TailwindCSS + DaisyUI for the styling, and Framer-Motion for the animation.

Role

Designer and Frontend Developer

Project Type

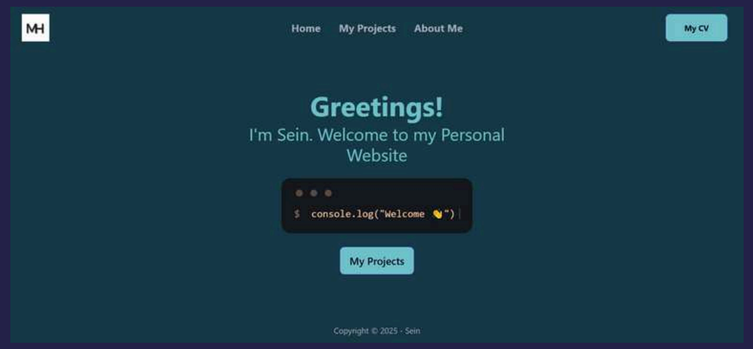
Self-Initiated

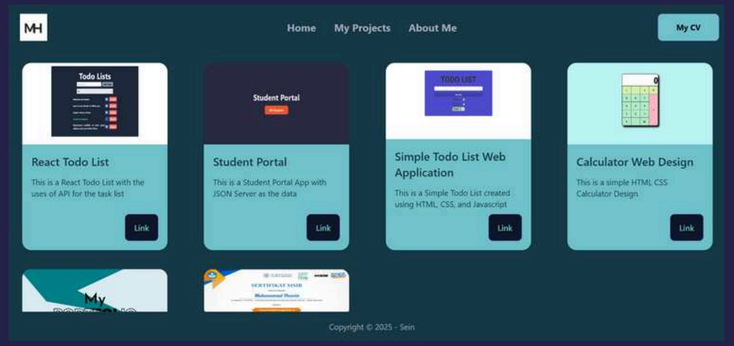
Link

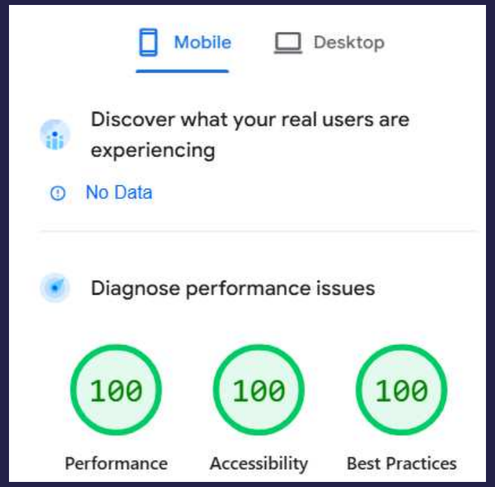
- https://portfolio-react-1cdd4.web.app/
- https://github.com/fedexid/portfolio-react

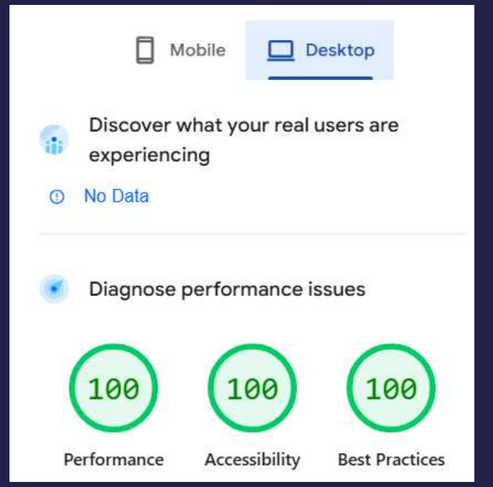
What I learned

- Better understanding of React, Component Structure, and layout design
- Best approach to make responsive styling and animations
- Learn about performance optimization, which led to a good PageSpeed Insight score









The website achieved 100% Pagespeed Insight score for Performance and Accessibility, which comes from intentional improvements to ensure a fast and user-friendly experience

ACE: HOME OF TENNIS

Ongoing

ACE is an ongoing app made for the home of tennis that gives you every news regarding the world of tennis. This app has many features such as player profile, player rankings, etc. This is still a concept with the focus on giving tennis fans a platform, given the lack of fully tennis based apps for smartphones.

Role

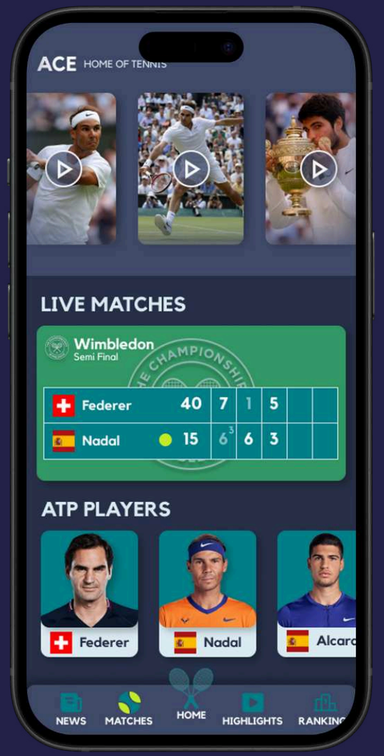
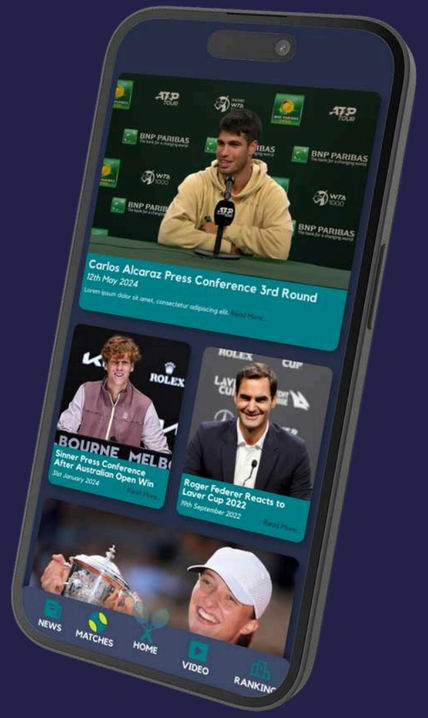
UI/UX Designer

Project Type

Self-Initiated

Link

https://www.figma.com/design/YD2LzcgDA22nY0xcSTwknm/Tennis-App?t=zJ5tI9OM4nai23bO-1

What I learned

- Learn the importance of typography and visual consistency
- Realized the importance of considering user needs and maintaining clarity in design when crafting solutions, even without formal user research.