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PeiHan, Lin

I am PEI HAN, LIN, studying software engineering at Charles Darwin University. Passionate about software development practices, I actively participate in various programming-related courses and projects to continuously improve my skills in programming, and software testing. I am familiar with Python and have a basic understanding of software testing and data analysis.

During my studies, I focused on learning software development. I have participated in an internship project, the project's purpose was to process a porting task that ports an S2 geometry library of Javascript version into Dart version, I have learned a lot in this project ex. git, docker, testing process, porting process, project structure, and readable coding. These experiences have given me an understanding of software development that I didn't learn in the university. I also actively participated online in software development skills and some techniques as a report writer, which not only expanded my technical knowledge but also exercised my problem-solving and skills in data analysis.

I am keen on exploring new technologies and hope to use my knowledge in software development, data analysis, or related fields in the future to become a software engineer who can solve practical problems.

EDUCATION

Charles Darwin University, NT Australia

Master of Software Engineering

Certification

SQL Essential Training

https://www.linkedin.com/learning/certificates/b35ece7a376e7b20313441abfb8e613fafda4aff408ee3c8d293c9cf7044c95c?trk=share_certificate

https://www.linkedin.com/learning/certificates/b76e12044d0246c5bafdd90ee2bbac7e78d49850a12d6443b8cbacd1230146e1?trk=share_certificate

SKILLS

Software Developing: Python(data analysis, testing, application development), Javascript (web development), Dart (Basic syntax)

Data analysis: Processing analysis with Python (NumPy, Pandas)

Data Visualization: Creating visualizations with Python (Matplotlib, Seaborn, and Plotly)

Reporting: using Tableau, Power BI, and Google Data Studio to create interactive dashboards and visual reports for data-driven decision-making.

Technologies

Python: Basic syntax, data analysis tools such as NumPy, Pandas, Matplotlib, Seaborn, and Plotly, model fitting

Javascript: full-stack developing experience

Dart: Basic syntax, the experience of a porting task by other programming language

SQL: Basic knowledge of query database

Power BI: Data analysis, data visualization

Docker: Basic knowledge with actual practice

Testing tool: Python (unittest), Dart(official testing tool), Coverage tool

EXPERIENCE

Relative:

Internship (Company: Smart-Mind https://www.smart-minds.io/en/):

Developed a porting task that ports an S2 geometry library of Javascript version into Dart version, imported this package in a flutter demo project, uploaded the package on pub.dev as a open source

Non-relative

Star Track (Logistic): General Labour (2y)

Fedex (Logistic): General Labour (1y)

Nature’s Care (Health care production): General Labour (2y)

Hello World visualize projects

Tools:

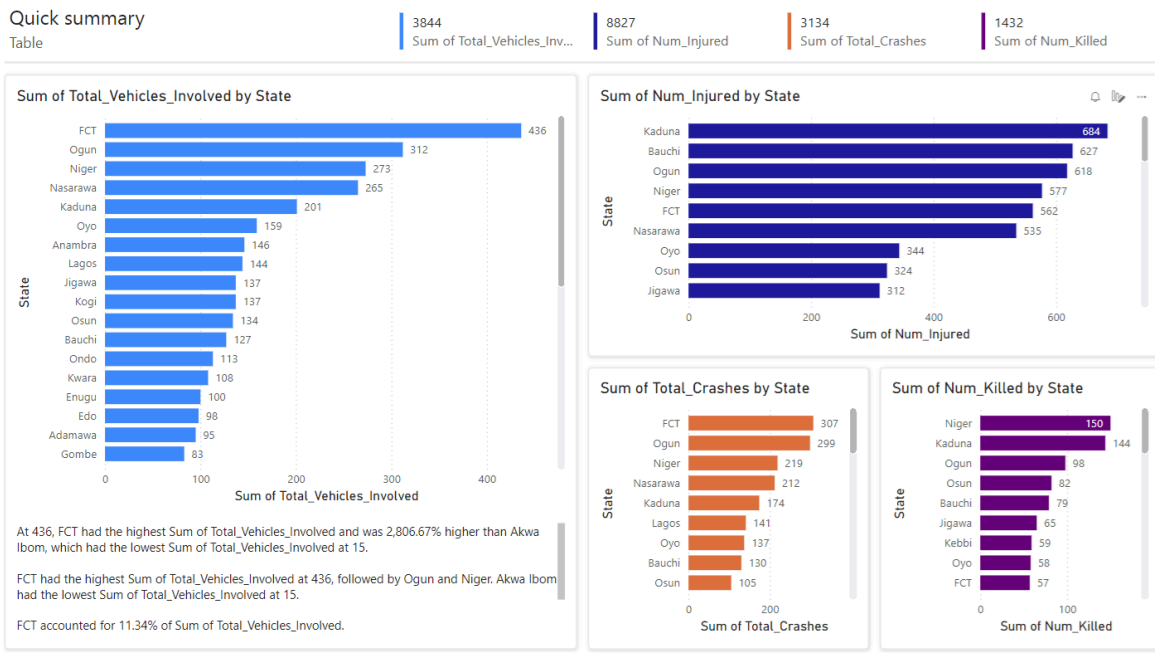
- Power BI: An interactive data visualization tool from Microsoft
- Tableau: A leading data visualization software known for its flexibility
- Google Looker Studio: A cloud-based data visualization tool by Google

Database: Nigerian Traffic Crashes (2020-2024)

Description: This project involves visualizing data on Nigerian traffic crashes from 2020 using three different data visualization tools: Power BI, Tableau, and Google Looker Studio. The objective is to create intuitive, engaging, and insightful visualizations that present key findings, trends, and patterns within the dataset, using a simple dataset structure to convey meaningful insights about traffic incidents in Nigeria.

Outcome:

Power BI:



TableauA:

	State	Num_Inj...
1.	Akwa Ibom	32
2.	Bauchi	418
3.	Bayelsa	19
4.	Benue	170
5.	Cross River	74
6.	Delta	136
7.	Ebonyi	82
8.	Edo	154

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	State	Num_Kil...
1.	Akwa Ibom	10
2.	Bauchi	46
3.	Bayelsa	3
4.	Benue	19
5.	Cross River	5
6.	Delta	16
7.	Ebonyi	15
8.	Edo	34

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	State	Total_V...
1.	Akwa Ibom	17
2.	Bauchi	112
3.	Bayelsa	10
4.	Benue	69
5.	Cross River	34
6.	Delta	72
7.	Ebonyi	35
8.	Edo	81

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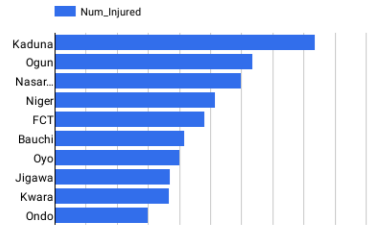

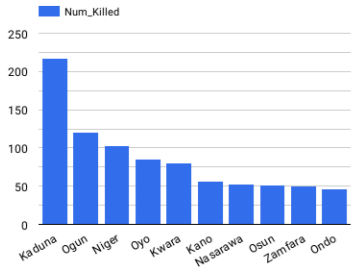

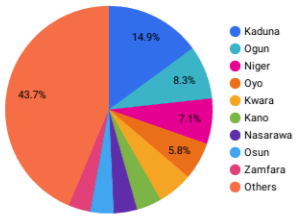

Google Looker Studio: