Deng Jian, Ti

Name: Deng Jian, Ti

Address:
42, ss25/29, Taman
Mayang, 47301, Petaling
Jaya, Selangor

Date of birth:
25 September 1997

Mobile: +6016-212 0146

Nationality: Malaysian

Email: dengjianti1@outlook.com

Language: **English** (fluent),
Malay (fluent), **Chinese** (fluent)

RESUME

During my undergraduate studies in Computer Science, Internet of Things (IoT), I delved into the realm of data analytics, igniting a passion for transforming raw data into actionable insights. Through a rigorous BI online course, I honed my skills in crafting sales reports using advanced BI tools. Witnessing the transformative power of data analysis firsthand, I am driven by the prospect of empowering decision-makers to leverage information effectively. Seeing the tangible outcomes of informed business decisions excites me, as I strive to make a meaningful impact in the industry by unlocking the potential of untapped data sources.

I have been well equipped in Microsoft BI platforms e.g. Power BI and SQL. I also have a good understanding of enterprise BI lifecycle (source, staging, data warehouse, data marts, cubes, reporting). My main professional interests are BI, Information Management and Delivery, Data Management and Analysis, BI (and related AI) solution architecture. Moreover, I equipped with hands-on and theoretical knowledge to deliver BI analytics dashboards from data ETL, DW modelling to data visualization, analysis, and reporting.

Fascinated by the impact of data on business, I retrained as a data analyst. Equipped with hands-on and theoretical knowledge to deliver BI analytics dashboards from **data ETL, DW modelling to data visualization, analysis and reporting**. My main professional competences are:

BI principles	Data Modeling	Analytics and Reporting
EDW design	Dimensional	PowerBI Desktop(DAX)
ETL design	Modeling	PowerQuery
Cube	Star schema	PowerBI service
	Modeling	Excel, SQL

I regard myself as a person that has strong analytical skills with commercial awareness. I'm open-minded, with good communication skill. Ready for new challenges, I'll try best to prove my own value.

Main BI Analytics Project Experience

2023.12-2024.01 — **Business Intelligence Online Advanced Training**

Skills: Power BI, DAX, Excel, SQL

Case intro: A marketing and product dashboard showing the company's sales performance across different markets, top-selling products, and sales development

PowerBI Case (Click and see dashboard here! RESULT)

YourFashion is a global jewelry brand selling products to different markets. You as a marketing data analyst need to prepare a product analysis report to the marketing management team and also help the local team to understand their own market performance.

Solution design and implementation:
Step1: Case Analysis (4w1h)
Who needs to see the sales dashboard? Target audience group.
What are the key metrics?
Where the team wants to see? Web and mobile.
How to analyze dashboard?
Step2: Design the Logical Model
Create a star schema to display the relations between dimensions facts.
Step3: Create a bus matrix (Facts vs Dimensions)
Step4: Analyze the dashboard and provide key insights in a storytelling manner.

PROJECTS EXPERIENCE DURING MY EDUCATION

2023.01-2023.06 — **E-nose Degree Project (Full Stack with Embedded System)**

The aim of this project is to monitor the chemical gases produced from beer during 15 days of fermentation process. Here is the link of the website: (**DEMO**).
The website was created with an authentication ID: a@gmail.com and password: 123456 to login, since the website was connected to Firebase real time database and an E-nose hardware.
Here is the link of the code: (**REPO**). When the entire system was connected, real-time results will be shown on the website. Here is the link of my recorded result: (**TUTORIAL**).

Later we used the collected data to perform forecasting by using Machine Learning. Here is the link to our experiment results: (**EXPERIMENT_RESULTS**). Here is the link to some synthetical results: (**SYNTHETICAL_RESULTS**)

around 2023.06 — **Human Detection (computer vision)**

It was an application to detect where human was existed in front of the camera.
If the human was detected, it produced a voice called: "HUMAN DETECTED",
else it produced a voice called: "NOT A HUMAN". The voice was produced by using text to speech library. The application consisted of two components:
a client application and a server application. Together, they formed a Websocket-based application.
The detection was performed in real time. Used haarcascade_frontalface_default.xml which was an open source computer vision library by Rainer Lienhart.
Performed in Linux OS with the knowledge of **C++, Websocket, OpenCV, TTS and ALSA sound library.** Here is the link of the code: (**REPO**).
Here is the link of my recorded result: (**TUTORIAL**)

Education
2020-09- 2024-04 — **Bachelor**
Major in Computer Science
B.sc Kristianstad University
Major in Computer Science Internet of Things

TECHNICAL SKILLS & COMPETENCES
Microsoft BI Suite:
- Power BI desktop (DAX, Power Query) and PowerBI service

- SQL Server Management Studio (SQL)

- SQL Server Analysis Services Tabular (DAX)