



GRACE NATHANIA

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<https://gracenathh.github.io/gracenathh/>

EDUCATION

July 2019 - December 2021

Monash University Malaysia

Bachelor of Computer Science in Advanced Computer Science with minor in Data Science. Achieved a Weighted Average Mark (WAM) of 76.2% and a CGPA of 3.62/4.00.

October 2018 - June 2019

Monash University Malaysia

Diploma of Higher Education Studies in Computer Science, which is equivalent to Year 1 Undergraduate. Achieved a Weighted Average Mark (WAM) of 79.6% and a CGPA of 3.77/4.00.

July 2015 - June 2018

SMA K 1 BPK Penabur Bandung, Indonesia

Majoring in science. Achieved SMA3 UAN of 84.13/100.

TECHNICAL SKILLS

Programming Languages Python 3, R, (No)SQL, HTML/CSS, Java (beginner), C++ (beginner)

Others

Tableau, MongoDB, Apache Spark, Apache Kafka, Superset, Lucidchart, Canva, Microsoft Office Suite, Oracle, SAP (beginner)

WORKING EXPERIENCES

2021 November/present - SOCAR Mobility Asia | Business Intelligence Marketing Analyst

- Created an automatic all-in-one funnel management tracker and BI dashboard for analytics and insights
- Automated competitor daily data scraping and created an automatic weekly competitor analysis
- Kick started and created end-to-end dynamic, customised promo schemes based on customers' behaviour segmentation using k-means clustering; Securing up to RM27,000 nett revenue so far
- Working on machine learning models to produce optimum price multipliers; identifying, determining, pulling suitable data points and deciding, training the most optimum ML model

2021 March/2021 May - The Malaysian SOCIAL Project | Project Consultant

A management consulting apprenticeship under the guidance of BCG consultant in helping a non-profits client to create a sustainable crowdfunding system. Working in a team of 5 to:

- Identified key issue through Situation, Complication, Question (SCQ) framework, issue and hypothesis tree
- Gathered, interpreted and analysed up to 100+ respondents information to test hypotheses in correlation with the current situation and future recommendations
- Developed 5 strategic and data-driven recommendations to collect donation (technical) and create donors (marketing) in the form of presentation slides and crowdfunding guidance booklet

2020 December/2021 February - Photobook Worldwide | Product Analyst Intern

Interning under Product Technology department with daily responsibilities to:

- Analysed and visualised monthly customer satisfaction survey data to identify pain points
- Generated and developed 15+ new data-driven ideas and/or features for application/website platforms
- Analysed 5+ worldwide competitors in the industry/technology related company

2019 November/2020 February - Accenture Indonesia | Data Analyst - Management Consulting Intern

Interning for Enterprise Resource Planning (ERP) project in telecommunication company under Data Migration team. Doing the project with/on Python 3, Microsoft Excel, SAP S/4HANA and ARIS Express:

- Worked with 150K+ rows of data for data cleaning, imputation and analysis
- Loaded/Uploaded up to 10 dataset (40K+ rows each) to, updated around 500+ rows of data, and did 10 T-codes shakedown on the SAP system
- Updated/Generated 5+ Process Definition Documents (PDD) on ARIS Express modeling tool for business process analysis and management

KEY COURSE - RELATED PROJECTS

- 2021** **Final Year Project | AI-assisted Online Psychotherapy Portal**
- Project involved creating a web application for psychotherapists to identify, tag and compile all the data generated from the psychotherapy sessions: video clips, metadata of video, descriptions of patients, detected facial expressions in videos and other related data.
 - In charge of Deep Learning network and quality assurance.
 - Project is done in a team of 4.
- Project of Deep Learning part is done with Python 3, Tensorflow.
- Grade: High Distinction
- 2021** **Big Data Streaming Application for StopFire Campaign**
- Project involved Exploratory Data Analysis (EDA), data migration to NoSQL Database, and creating a complete setup from streaming to storing and analysing the data.
- Project is completed on MongoDB, Apache Kafka, and Apache Spark Streaming, Jupyter Notebook using Python 3.
- Grade: High Distinction
- 2020** **Data Warehouse System for Food Business company**
- Project involved exploring the operational database (creating E/R diagram and database cleaning), designing and implementing the data warehouse system, and creating business intelligence (BI) reports.
- Project is completed on Oracle's SQL Developer, data modeler, and Microsoft Office. Project is done in a group of 3.
- Grade: High Distinction

Other interesting projects are available to be seen [here](#).

LEADERSHIP ROLES

StudentsCatalyst, Indonesia | National Batch 2

2022 January/present - Peer

Mentoring 4 top performer university students focusing on self development and career inside and outside the forum through coaching, one-to-one session, and pro-bono consulting project.

AIIESEC in Malaysia | Partnership Management

2021 August/2022 January - International Relations Specialist for Incoming Professional Internship

Formed partnership and worked with 4 new overseas committees (total 6 partners; Created an automatic all-in-one sales tracker for data analysis, progress tracker, and way forwards creation; Created quarterly data analysis on funnel, partners and products performance.

AIIESEC in Sunway, Malaysia | Youth Experience

2020 February/2021 February - Director of Consideration for Outgoing Volunteer Program

Led a team of 5 in daily operations; Achieved 118% conversion rate; Created 2 different promo schemes based on time, slot constraints and achieved 50%, 30% of the goal respectively; Conducted a total of 5 virtual and 3 physical events; Formed partnerships and worked with 5 local and 6 overseas committees.

Indonesian Students Association (PPI) | Publicity

2019 August/2021 January - Social Media Manager

Doing digital marketing, creating content, and managing social media to introduce and popularise the association to public.

ACHIEVEMENTS AND AWARDS

2021 - Mondelez Leading Edge Business Challenge

- A virtual championship across South East Asia held by Mondelez International
 - Developed a website prototype called Mondelez LOKAL, a direct B2B platform with the aim of bridging the gap between small online businesses involved in the gifting industry and Mondelez International
- Award: Country Championship Semi-finalist for Malaysia and Singapore Market (Top 5 out of 72 teams)