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 5 end-to-end dynamic, customised promo schemes based on customers segmentation using k-means clustering
- 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

AIESEC in Malaysia | Partnership Management
2021 August/present - International Relations Specialist for Incoming Professional Internship Program
Formed partnership and worked with 4 new oversea 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.

AIESEC 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 oversea committees.

2019 March/2020 January - Senior Executive for Outgoing Volunteer Program
Achieved a total of 5 completed realisation for Global Volunteer Program; Conducted 1 physical attraction event; Took part as Organising Committee of Logistics for Global Village 2019 and managed to create content of 3/10 cultural booths; Proxied for Director of Attractions.

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 Mondelēz International
- Developed a website prototype called Mondelēz LOKAL, a direct B2B platform with the aim of bridging the gap between small online businesses involved in the gifting industry and Mondelēz International

Award: Country Championship Semi-finalist for Malaysia and Singapore Market (Top 5 out of 72 teams)