GRACE NATHANIA

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COVER LETTER

Dear Hiring Manager,

I am a final semester Computer Science undergraduate majoring in Advance Computer Science with minor in Data Science at Monash University Malaysia and I am interested in the fields of Data Science/Data Analytics/Machine Learning & AI/Business Analytics to jump start my professional career. I would also like to apply what I have learned for the past 3 years at university, both academic and non-academic.

I am expected to finish my degree in December 2021 and I have acquired some relevant knowledge in the field of computer/data science such as **Python**, **R**, **Database** (SQL, MongoDB, Kafka), **Data Modelling**, **Processing**, **Analysis**, and **Warehousing**. Projects throughout my years in university are mostly based on real-world problems which prepares me to handle real-life conditions, namely but not limited to:

1. **Final Year Project**: AI-assisted Online Psychotherapy Portal, a web-application for psychotherapists to analyse children's expression based on **Facial Expression Recognition (FER)**. Done in a team of 4.
2. Creating a **data warehousing** system for food business on MySQL database
3. **Big-data** streaming, visualising, analysing and storing to NoSQL database
4. **Analysing** Linguistic Inquiry and Word Count (LIWC) on the internet
5. Exploring **tree-based classifiers** to predict rain in Australia

Despite the busyness of study, I have always tried to balance my life by engaging myself with my surroundings through organisations, volunteering and competition. Hence, having the privilege of serving in your company will allow me to contribute to the positive reputation that your company has already gained, while increasing my learning opportunity and honing myself thoroughly.

I would sincerely thank you for taking time to review my resume. I am looking forward to hearing from you.

Thank you.

Sincerely,
Grace Nathania

EDUCATION

July 2019 - Present	**Monash University Malaysia**
	Bachelor of Computer Science in Advanced Computer Science with minor in Data Science. Currently a final semester student with a Weighted Average Mark (WAM) of 75.9% and a CGPA of 3.58/4.00.
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, SQL, MQL, MIPS Machine Assembly, Java (beginner), C++ (beginner), HTML/CSS (beginner)
Operating Systems	Microsoft Windows, LINUX (beginner)
Front-end tools	PyCharm, RStudio, SQL Developer, Jupyter Notebook, MARS, IntelliJ, SAP S/4HANA (beginner), ARIS Express (beginner)
Others	Statistics, Lucidchart, Canva, Microsoft Office Suite, Oracle, SAP (beginner), MongoDB, Apache Spark, Apache Kafka, Figma, Tableau

KEY COURSE - RELATED PROJECTS

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
2020	**Exploring Classifiers in Predicting RainTomorrow Variable**
	• Project involved pre-processing a data set contained meteorological observations, exploring Decision Tree, Naive Bayes, Bagging, Boosting, Random Forest and Artificial Neural Network models, analysing and improving the best model.
	Project is completed on R Studio, Microsoft Words, and Microsoft Excel.
	Grade: High Distinction

LEADERSHIP ROLES

AIESEC in Malaysia | Partnership Management
2021 August/present - International Relations Specialist for Incoming Global Talent (iGTa)
Ensuring clear and smooth communication between Entity - Entity partnership to support operation throughout Malaysia, monitoring and managing Entity - Entity performance to improve and upscale the performance.

AIESEC in Sunway, Malaysia | Youth Experience
2020 February/2021 February - Director of Consideration for outgoing Global Volunteer (oGV)
Leading a team of 5 in daily operations such as checking and tracking customers' database, liasing with other departments, analysing costumers' needs, contacting potential customers, developing and implementing physical and virtual marketing strategies or brand advocacy campaigns.

2019 March/2020 January - Senior Executive for outgoing Global Volunteer (oGV)
Getting in touch with customers (youths interested in volunteering abroad) to promote AIESEC's product (Global Volunteer) and recommend projects to customers but not limited to being a member of logistics departments for Global Village event, a PIC of physical booth and a proxy of 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.

WORKING EXPERIENCES

2021 March/2021 May - The Malaysian SOCIAL Project | Project Consultant
A management consulting apprenticeship under the guidance of BCG consultant in helping to solve business problem for a non-profit client advocating on Data-Centric Digital Rights (DCDR), to create a sustainable crowdfunding system. Working in a team of 5 to:
- Identify key issue through Situation, Complication, Question (SCQ) framework, issue and hypothesis tree
- Gather, interpret, and analyse information to test hypotheses in correlation with the current situation and future recommendations
- Develop 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 to:
- Develop new ideas and features for website/mobile application in a team of 4
- Do market research on market compatibility
- Internal data analysis and visualisation

2019 November/2020 February - Accenture Indonesia | Data Analyst Intern
Interning for Enterprise Resource Planning (ERP) project in telecommunication company and is assigned under Data Migration - Procurement and Logistics (PRL) team. Helping the project with Python 3, Microsoft Excel, and gaining knowledge about SAP S/4HANA and ARIS Express with daily responsibilities as follow:
- Data cleaning and analysis
- Data migration to SAP database
- Process Definition Documents (PDD) generation and update

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**