SUDAARSHAN A/L BASKAR

FINAL YEAR STUDENT OF UNIVERSITI MALAYA

(BACHELOR OF COMPUTER SCIENCE(ARTIFICIAL INTELLIGENCE))

PERSONAL DETAILS

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Github : https://github.com/sudaa4

EDUCATION

UNIVERSITI MALAYA
DEGREE TO BE AWARDED IN 2025

- **Notable Modules include**: Machine learning, Fundamentals of Programming, Database, Internet of Things, Operating System (OS), Algorithm design and analysis, Computing Mathematics,Network Technology Foundation, Data Structure, Project Management, Mobile Application Development(Android studio), Fuzzy logic and Deep Learning

- CGPA 3.51 (Result till 6th Semester)

KOLEJ MATRIKULASI KEDAH
MALAYSIAN MATRICULATION PROGRAMME

- *Stream 2 (Physics + Computer Science)*
- *CGPA 3.79*

SMK.ST.PAUL
SCIENCE + ACCOUNTING (2015-2019)

- 2A+ 6A 1A- in SIJIL PELAJARAN MALAYSIA (SPM)
- School Prefect
- President of Enviromental Club and EDWARD Sports House

SUMMARY

A Final year student In Bachelor of Computer Science(Artificial Intelligence) with an unwavering passion for automation and artificial Intelligence. Throughout my studies, I have developed a strong foundation in programming languages, data structures, and algorithms, along with essential skills in database management. I Have also worked in multiple projects that require constant collaboration and communication with external stakeholders and NGOs. I am now seeking a dynamic **course mandated internship from February 2025 till August 2025(willing to start earlier if possible)** where I can apply my knowledge, collaborate with a diverse team, and contribute to innovative projects.

LEADERSHIP ROLES HELD

PRESIDENT
DEMOKRAT MALAYA 2023/2024

SECRETARY OF SPIRITUALITY,CULTURE AND DIVERSITY
UNIVERSITI MALAYA STUDENT'S UNION | July 2021- May 2022

TREASURER
MENTEGA TERBANG FILM SCREENING UNIVERSITY MALAYA 2021

ViCE DIRECTOR OF INTERNAL AFFAIRS
DEMOKRAT YOUTH DEVELOPMENT ACADEMY 2024 (ONGOING)

TREASURER
PROJEK KALAM 2021

HEAD OF DEPARMENT(SPONSORSHIP)
ARES 2022 (E-sports event)

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LANGUAGES

- English (Speak, Write and Read)
- Bahasa Malaysia (Speak, Write and Read)
- Tamil (Speaking only)

WORKING EXPERIENCES

- MANHATTAN FISH MARKET (DECEMBER 2019- APRIL 2020) - Kitchen crew

- TGV CINEMAS (JULY 2022 - OCTOBER 2022) - Theatre crew

RELATED SKILL SETS

- programming languages : Javascript, Java , Python, R, SQL

- Frameworks:Pytorch,MySQL, Django,MongoDB, Flask,Numpy, opencv, Streamlit

- Technologies/Systems : OpenAI API , Google Dialogflow, Support Board , Microsoft Power Automate, Github,Git

ACADEMIC PROJECT EXPERIENCES

Email summarizer

Python | 2024

Developed a An Email Summarising Model with features such as :
1) Trained with more than 3000 different emails to identify key words in certain emails
2) Ability to differentiate private emails and work related emails while labeling them accordingly
3) Ability to identify and isolate spam emails

Emotion detection Model

Python | 2022

Developed a machine learning model that has the ability to detect depression and the severity of it. Features Include :
1) Used Confusion matrix and also support vector machine to develop the algorithm.
2) Ability to detect and instantly produce an output indicating the emotion
3) Used libraries and packages such as pytorch, Keras, scikit-learn and streamlit

Online confession page

Java/ SQL/ PHP | 2022

Developed a online confession page with the features :
1) ability to search previous confessions
2) Spam checker
3) Draft function
4) GUI of the page for the end user (Laravel)

Hotel Room Booking System

Javascript/html | 2021 - 2022

Developed a Hotel room booking system with a database. Features include ;
1) A database of all available rooms with it's sizes and features
2) Create a user login profile with username and password
3) a GUI of the booking system for the end user

Data visualiser

R programming | 2021-2022

Developed a R studio data visualiser that displayed the global peace index . Features include :
 1) A line graph of the change of peace index ranking of the country
2) A heat map of the safest country to the least safe company
3) Ability to compare the changes in peace index ranking between 2 different countries

Sleep pattern analsysis

Python/SPSS | 2022

Conducted a case study regarding the sleep pattern of University students with a
1) sample size of around 200+ student data collected.
2) Analysis was conducted to identify relations between Sleep time , Blue light activity , stress factors and many other variables to identify a pattern and relations .
3)Most of the analysis was conducted using SPSS

Diabetes prediction model

python | 2024

Developed a model that is able to detect is a patient has diabetes according to their medical record. Features include :
1)Used 3 different algorithms (Logistic Regression, Decision Trees, Random Forests)
2) User inputs info such as gender,age, BMI and insulin level
3) Developed a front end web application using flask

Housing Price prediction

python | 2024

Developed a model that is able to predict housing prices according to historical data. Features include :
1)A linear regression algorithm is used to carry out initial prediction followed by a decision tree regression
2) the model conducts data preprocessing, including handling missing values, feature scaling, and feature selection to prepare the dataset for training the model.
3) Model's perfomance is evaluated with metrics like RMSE or R^2.