

## MOHAMED AMMAR BIN MOHAMED YUSRI

+65 8649 4774 – md\_amm8@yahoo.com

### INTRODUCTION

I am Md Ammar, a third-year student in Singapore University of Technology and Design (SUTD) majoring in Applied AI. I have a deep interest in applying AI, design thinking and Human Computer Interaction to drive innovation.

Skills: Python (Pandas, Numpy), R, SQL, html, CSS and Javascript, Fusion, React

### EDUCATION

#### **SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN**

Bachelor of Science in Applied AI (Minor in Computer Science)

Singapore,  
2022-Present

- Core Subjects: Machine Learning, Human Computer Interaction (HCI) and AI, Service Design Studio, Product Design Studio, Algorithms, AI Applications in Design.

#### **EUNOIA JUNIOR COLLEGE**

General Certificate of Education Advanced Level (GCE A-Levels)

Singapore,  
2018 – 2019

- H2 Subjects: Mathematics, Physics, Chemistry, H1 subjects: Economics, General Paper, Project Work.

### WORK EXPERIENCE

#### **Andes Consultants Pte Ltd**

2021-2022

Building Inspector

- Conducted comprehensive inspection on structural safety of external and internal HDB blocks and successfully identified several critical faults.
- Generate detailed inspection reports that highlight findings, deficiencies, and recommended corrective action to clients.

#### **Singapore Civil Defence Force (SCDF)**

2022-2022

Firefighter, Sergeant (1) Rank

- Led a team of firefighters in emergency response operations, ensuring the safety and effectiveness of the section.
- Utilized critical thinking and problem-solving skills to make quick, composed and informed decisions in high-stress situations.

### PROJECTS

#### [Guid-e \(2024\)](#)

*Collaborated with a team of 6 to redesign the conventional airport trolley to enhance user convenience and operational efficiency with Ogilvy*

- Utilized Figma and Flutter in designing user-friendly interface to facilitate a seamless navigation.
- Integrated Crowd SLAM algorithm, computer vision and Arduino electronics for real-time data processing, detailed 3D mapping, and user detection.

#### [Sony's Angels \(2024\)](#)

*Identified opportunities for design improvements using data-driven text analytics and image processing*

- Utilized generative based AI and Retrieval-Augmented Generation (RAG) to identify and implement design opportunities using data scraped from online reviews, social media platforms and Google Search Interest.

#### [HavLink reward database system \(2024\)](#)

*Designed a reward database system to store the points/tier data for all users of a social media platform*

- Applied hash table, AVL tree and Singly Linked List as backend data structures to minimise time complexity.

#### [Launch Something \(2022\)](#)

- 1<sup>st</sup> place winner for Launch Something Workshop.
- Strategically allocated budget for brand market strategy.

## **CO-CURRICULAR ACTIVITIES**

### **SUTD Muslim Society**

2022-Present

#### ***Publicity Director & Logistics Director***

- Designed posters, created 60% more digital content, and managed social media accounts, boost while reducing club expenditures by 20% awareness and engagement .
- Facilitated seamless communication with Mendaki, Association of Muslim Professional (AMP), Al-Falah Mosque and other university Muslim societies.
- Oversaw the maintenance and upkeep of the Prayer Room, ensuring it remains in good condition.

### **SUTD Taekwondo**

2022-2023

#### ***Treasurer***

- Managed the club's budget and expenses, processed invoices, and tracked funds to provide clear and accurate financial reports throughout the financial year.
- Liaison between the school administration and coaches.