

MUHAMMAD ARSANI

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SUMMARY

I am a freshman majoring in Electrical Engineering at University of California San Diego, having a second devotion for Computer Science, particularly programming. I love working with hardware and coding is something I am always devoted in; when these two are merged, I am in my own world.

EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO, UNITED STATES

Fall 2020 — Spring 2024

B.S Electrical Engineering

• Fall 2020 - Major GPA: 3.88, Overall GPA: 3.56

MARA COLLEGE SEREMBAN, MALAYSIA

July 2018 — August 2020

Cambridge International Advance Subsidiary and Advance Level Program

• A*, A, A (Mathematics, Physics, Chemistry): 15/15 points

PROJECTS AND OUT-OF-CLASSROOM INVOLVEMENTS

- Made an All-In-One Self-Care App prototype during NASA International COVID-19 Space Apps Challenge, a
 48-hour hackathon | May 30th 31st 2020 | Project https://bit.ly/2wZ40oB | Certificate
 https://bit.ly/3aIWwy3
 - The app, called **unIsolated**, is built to help users cope with isolation during the pandemic.
 - It features customizable schedules and accessible connections to mental health professionals.
 - We used **Flutter** as the framework, **Dart** as the language, and **Firebase** as the back-end. The app uses **Google's** authentication system, allowing easy access for everyone.
- Currently developing a Productivity App under UCSD IEEE Quarterly Project Winter 2021 |
 January 16th Current | IEEE QP website https://bit.ly/3bZBDiu
 - We aim to establish a competitive environment between users, allowing them to observe who has a more
 productive day.
 - It **records the screen time of your phone**, and then compare it to your friends added in the app. The more productive you are, **the more badges and trophies you can showcase on your profile avatar**.
 - It also sends **push notifications** that remind you to do some fitness activities for your physical health.
 - We are trying to incorporate a Machine Learning model that suggests users other apps that might increase their productivity.
- Built a project that simulates COVID-19 social distancing order | Fall 2020 | Project https://bit.ly/2WLmUPv
 - It uses Arduino Mega, Ultrasonic sensor, LCD screen that operates using the I²C communication protocol, and other basics electronics.
- Currently building my own **Portfolio website** | **Dec 15**th **Current**
 - I have finished a **54.5 hours** of **Full-Stack Web Development course** on Udemy and now applying the knowledge I learned by building my **portfolio website**. The link will be uploaded on my LinkedIn profile upon completion.

SKILLS

Programming Languages:

✓ C, C++, Python, Java, Lua, HTML, CSS, JavaScript, Bootstrap

Software/Text Editor/Operating Systems:

✓ VIM, Linux, MATLAB, OnShape, AutoCAD, Eagle, LTspice, Fritzing, Microsoft Word, Microsoft PowerPoint, Microsoft Excel

Fluent in:

✓ English, Malay