HRISHIRAJ MANDAL

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EDUCATION

NATIONAL UNIVERSITY SINGAPORE   (Aug 2023 – 2027)

Computer Science | Freshman

- Core Modules: Programming Methodology, Discrete Structures

VICTORIA JUNIOR COLLEGE   (2019 – 2020)

GCE A Level Examinations

- Final A-Level Score: **90/90 (Full Distinction)** with **additional H3/S-Level Chemistry**
- Recipient of **SINDA Academic Awards**
- Nominated and participated for **2019 Singapore Physics Olympiad**

PROFESSIONAL EXPERIENCE

SMARTKARMA   (Feb 2023 – Jul 2023)

FinTech, Data Analyst Intern

- Usage of the **Bloomberg terminal** and open-source **BLPAPI API package** to automate data retrieval using **Python programming language** for market analysis saving $12,000 annually in software licenses
- Developed and maintained a data dashboard for the UX team, utilizing **PostgreSQL** to query the company database and **Excel** to visualize data using charts.
- Recommended website tracking strategies to the product team, utilizing the data collection tool **Google Analytics 4** to gather valuable insights.
- Optimized the data dashboard for the research team, using **PostgreSQL** and **Google Looker Studio** to enhance data visualization and streamline client onboarding.
- Automated the posting of company webinars using the platform's respective **APIs, Python,** and **Zapier**, resulting in increased webinar visibility and engagement.
- Assisted colleagues in **web scraping** various financial news sites using **Python** for internal usage, enabling the research team to gather up-to-date information efficiently.
- Automated weekly sales reports to CXO office using **Hubspot API, Python and SQL**

    Manager's testimonial: https://virusrwj223.github.io/hm/hrishiraj-mandal/static/media/SK-general.c0ea8c846698247035cd.pdf

SINGAPORE ARMED FORCES   (2021 – 2023)

Mechanical Engineer, Ground Technician

-   Responsible for the **daily maintenance and servicing** of army vehicles
-   Ad-hoc **repairs** of mild and severely damaged vehicles
-   **Horizontal construction engineering** for damaged infrastructure
-   Ended service with the rank of **Corporal**
-   Awarded **Best Soldier** of the 9th Maintenance Battalion ON March 2022

SELF INITIATED PROJECTS

BASA   **(Mar – June 2023)**

Team Lead

-   dApp that connects landlords and tenants through leasing contracts on the Ethereum blockchain
-   Active project that is constantly undergoing frequent interations
-   Usage of **Solidity** to prepare smart contracts and **Python Brownie** framework to deploy smart contracts
-   Usage of **HTML**, **CSS** and **JS** to craft user interface

Website: https://virusrwj223.github.io/BASA/

Personal Portfolio Website   **(Jul 2023)**

-   A simple back-to-basics websites featuring a creative online profile
-   Implementation of UI/UX design principles using HTML, CSS and React.JS

Website: https://virusrwj223.github.io/hm/

Hey Hitch!   **(Nov - Dec 2023)**

-   A transport connection native app optimised for android that connects like-minded individuals within the same area heading towards a similar destination
-   Usage of **React native** and **Google Firebase** (code for review on Github)

Download link: https://appdistribution.firebase.dev/i/f78ff6c81cb2647a