HRISHIRAJ MANDAL

EDUCATION

NATIONAL UNIVERSITY SINGAPORE **(Aug 2023 – 2027)**

Computer Science

- To matriculate in August 2023

VICTORIA JUNIOR COLLEGE **(2019 – 2020)**

GCE A Level Examinations

- Overall A-Level Score: **90/90 (Full Distinction)**
- Recipient of **SINDA Academic Awards**
- Nominated and participated for **2019 Singapore Physics Olympiad**

MAIN SUBJECTS	LEVEL	GRADE
General Paper	H1	A
Mathematics	H2	A
Physics	H2	A
Chemistry	H2	A
Economics	H2	A
Project Work	H1	A

PROFFESIONAL 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**

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 2023 - Present)**

Team Lead

- dApp that connects landlords and tenants through leasing contracts on the Ethereum blockchain
- 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/

ESSAY WRITER ZONE   **(Jan – Aug 2022)**

Principal Educator

- English tutoring program for secondary school children
- **Guided** students hesitant in the mastery over the English language towards academic success
- Managed **simple business practice**s and **effective communication** skills.

Website: https://essaywriterzone.wixsite.com/website

ENDING REMARKS

Results oriented person who aims to achieve the best outcomes in any undertaking as suggested by achieving **full distinction** for the A-Level examinations as well as recognition of being an **industrious employee** evident through being granted Best Soldier in the battalion of March 2022 during NS. Proven track record of **self-directed, independent learner** and **initiator** as illustrated by learning various programming languages from a use case basis. **Critical thinker** to **lead** self-initiated projects targeting real-world problems.