

VIRIYADHIKA PUTRA

E-mail: viriya.dhika0@gmail.com

EDUCATION

National University of Singapore

Aug 16 to May 20

- Bachelor of Material Science Engineering, graduated May 2020
- CAP: 4.77/5 (*First Class Honor*)
- Portfolio Website: <https://viriyadhika.com> | GitHub: <https://github.com/viriyadhika>

ACHIEVEMENTS

- Dean's List AY 2017/2018 Semester 1 and AY 2018/2019 Semester 2
- Awarded ASEAN Scholarship
- Bronze medal of International Chemistry Olympiad (IChO) Azerbaijan 2015

TECHNICAL PROJECTS

Technical Skill: *Front-end:* React, Android Studio, HTML, CSS, *Bootstrap*; *Back-end:* Django MVT, Django REST Framework; *DevOps:* Nginx, DigitalOcean, Heroku; *Language:* Python, Java, JavaScript

Group Management Website: <https://grouptask.viriyadhika.com>

Aug 20 to Dec 21

- Utilized Django REST Framework back-end for jwt user authentication and database query returning JSON
- Front-end: React JS that consumes API with React-bootstrap and Material UI for styling and React-Router
- Utilized DigitalOcean Droplet and Nginx for deployment with Let's Encrypt SSL

Logistics Website: <https://vi-try-django-logistics.herokuapp.com>

May 20 to Aug 20

- Utilized Django MVT architecture for user authentication, generic forms and views and querying
- Learnt basic HTML and CSS supported by Bootstrap framework for front-end
- Utilized Heroku as a deployment platform

Habit Tracker – Android App

May 20 to Aug 20

- Using Android Studio platform to build
- Utilized Model-View-ViewModel (MVVM) architecture and using SQLite database through Android Room
- Front-end is achieved through an Android built-in ViewModel and rendering of XML files
- Integrated external library (MPAndroidChart) for displaying statistics functionality

WORK EXPERIENCE

Manufacturing Engineer, Micron Technology

Nov 20 to present

Final Year Project, National University of Singapore – IMRE, A*STAR

Aug 19 to May 20

- Executed a project on magnetic skyrmion tuning of metallic thin film deposited by magnetron sputtering process
- Project won the Material Research Society Singapore Medal (Best project in the cohort)

Special Process Intern, General Electric Aviation, Engine Service Singapore

Jul 18 to Dec 18

- Executed Aluminum Bronze Plasma Spray optimization project, developed a method expected to increase output rate by 100%, to achieve a more even and compact coating
- Completed a project in repairing and incorporating an Auto Grit Blast Machine to the production line

EXTRA-CURRICULAR ACTIVITIES

Vice Chairperson, NUS Student Union Committee of Information Technology

Jun 18 to Jun 19

- Led a committee of 66 people to provide IT services – such as computer center management, camps organizing and software workshops to NUS students with 80% of the participants gave a 4/5 ratings
- Oversaw Training Cell to conduct 12 software workshops catered to 720 students in a year

ADDITIONAL INFORMATION

- Professional proficiency in English and Bahasa Indonesia
- Relevant technical courses: CS1010E – Programming Methodology, CS2030 – Programming Methodology II