

M S Subesh Kumar

Mobile: 85333076 | Email: subesh_kumar@mymail.sutd.edu.sg | www.linkedin.com/in/subesh-k

EDUCATION

Singapore University of Technology and Design

- Bachelor of Engineering (Computer Science and Design) **Sept 2020 - Present**
- Expected Graduation date: May 2024
- Recipient of GIC Smiles & Sparks Grant **2021 and 2022**

Saint Andrew's Junior College

- Graduation date: Dec 2017
- Concert Band President **Feb 2016 - Dec 2017**

WORK EXPERIENCES

Toppan Ecquaria Pte Ltd

Software Developer Intern

Aug 2022 – Dec 2022

- Conducted Sprint Review Testing
- Conducted System Integration Testing (SIT)/User Acceptance Testing (UAT) to ensure that the software is developed according to the user stories and is bug-free
- Developed automated-testing scripts to expedite testing process and improve efficiency
- Created documentations for end-users of the developed software product

National Service: Singapore Police Force

SC SGT(2), Protective Security Command

Apr 2018 – Feb 2020

- Served in a Specialist Counter-Terrorism unit patrolling key high-footfall areas around Singapore
- Protected key installations in Singapore such as oil refineries

ACADEMIC PROJECTS

Singapore University of Technology and Design

Undergraduate Research Assistant for Machine Learning project

May 2021 - Sept 2021

- Took part in a research project under Dr Nuno Ribeiro in SUTD, aiding in the prediction of airport congestion delays in the ASEAN region using existing datasets to build Machine Learning models in Python and its libraries.

COVID-19 death rate prediction using Machine Learning

Sept 2021 – Dec 2021

- Aimed to predict an individual's admittance into the ICU after contracting COVID-19. Used datasets from Kaggle to undergo preprocessing (using numpy and pandas), followed by a logistic regression model for the predicted values

Android Application

Jan 2022 – Apr 2022

- Designed and developed a small-scale Android application that processes data from a vibration sensor connected to a Raspberry Pi, with Firebase as the cloud service.

Web Application Design and Development for DBS Pte Ltd

Jun 2022 – Aug 2022

- Designed and developed a website for DBS Bank as part of their project to reduce number of unnecessary branch visits, allowing customers to seamlessly carry out banking activities online instead.
- Website was built on Ruby on Rails framework, with Machine Learning APIs modelled and hosted using the Google Cloud Platform (GCP)

CO-CURRICULAR ACTIVITIES

Saint Andrew's Junior College Concert Band

President

Mar 2016 - May 2017

- In-charge of various day-to-day activities in ensuring that the band operations were running smoothly under my leadership
- Organised band exchanges with other Junior Colleges and schools
- SYF 2017: Distinction

SUTD Football Club

SUTD Design Odyssey

Feb 2021 - Present

Sept 2020 – Dec 2021

ADDITIONAL INFORMATION

- Technical Skills: Python (Pandas, Numpy, Scikit-Learn), Java, Android Development, Ruby on Rails, Selenium (Python), SQL, HTML, CSS, JavaScript, Agile Development, Software Development Lifecycle (SDLC)
- Fluent in English and Tamil (spoken & written)