M S Subesh Kumar

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EDUCATION

Singapore University of Technology and Design
- Bachelor of Engineering **(Computer Science and Design)** **Sept 2020 - Present**
- Focus track: **Financial Technology**
- Recipient of **GIC Smiles & Sparks Grant** **2021 and 2022**

Saint Andrew's Junior College
- 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 expediate testing process and improve efficiency.
- Created documentation 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

Undergraduate Research Assistant for Machine Learning project **May 2021 - Sept 2021**
- Took part in an aviation 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.

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 the 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)**

PERSONAL PROJECTS

Peer-to-peer Online Marketplace Mobile Application **Jul 2023 – Aug 2023**
- Developed a mobile application that allows users to post items to a central platform, search existing items, view these items, start conversations with other sellers and mark these items as sold once a deal has been confirmed by both parties.
- The application was built using **React Native** and Expo for the Frontend**, ExpressJS** as the Backend framework, and **MongoDB** Atlas for the database. The Backend APIs were built conforming to the **REST** principles.

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
- Organized band exchanges with other Junior Colleges and schools
- SYF 2017: Distinction

SUTD Football Club **Feb 2021 - Present**

ADDITIONAL INFORMATION

- Technical Skills: Python (Pandas, NumPy, Scikit-Learn), Java, Android Development, Ruby on Rails, Selenium (Python), SQL, HTML, CSS, JavaScript, React, React Native, Redux, Node.js, Express.js, MongoDB, Agile Development
- Fluent in English and Tamil (spoken & written)