KUNDAN DALMIA

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EDUCATION

Singapore University of Technology and Design (SUTD) — **Singapore**
- Bachelor of Engineering (Information Systems Technology and Design), Honours — **May 16 - Present**
- Dual Specialisation: Artificial Intelligence and Financial Technology
- Expected month of graduation: September 2020

WORK EXPERIENCE

Singapore Airlines — **Singapore**
Digital Innovation Intern (Software Developer) — **May 19 - Aug 19**
- Developed a hybrid web-view application using Node.js, ejs and Swift (for iOS) to enable digitalisation of recording business card details upon scanning, and saving them directly into respective person's contacts.
- Performed Optical Character Recognition using Google Vision API in Node.js and Natural Language Processing using 'nltk' library along with my own classification algorithm in Python to categorise the details accurately.
- Deployed the iOS application for beta testing on TestFlight, which accelerated recording business card details by 15 seconds per card.

ACADEMIC PROJECTS

Singapore University of Technology and Design — **Singapore**
Q, Lead Android Developer — **Sep 18 - Dec 18**
- Led a team of 6 to develop an Android application *Q*, with an aim to digitalise the queue system for stalls in food courts in Singapore.
- Q allows stall merchants to create and manage queues for their stalls, while customers can view and join these queues at their own convenience. The app. notifies the customer when his/her turn is approaching.
- Used Java, Object-Oriented Programming, Android Development concepts extensively on Android Studio; used Google Firebase as our app's cloud database for the back-end.

Singapore University of Technology and Design — **Singapore**
Bit Combat, Computer Engineer — **Sep 18 - Dec 18**
- Worked in a team of 4 to create an arcade game in which two players compete against each other by moving around a 7x7 LED matrix and shooting at each other using buttons.
- Used concepts from the beta architecture of a von Neumann machine extensively to develop this game on a Field Programmable Gate Array (FPGA) Board (Mojo V3) that utilises a 16-bit ALU developed using Lucid on Mojo IDE.
- Bit Combat was chosen as the course's best project by the faculty and students, based on voting administered by the Office of Student Administration of SUTD, and will be showcased to the general public during future outreach events at SUTD.

European Innovation Academy — **Turin, Italy**
GetTheFit, Chief Technology Officer — **Jul 18 - Aug 18**
- Selected by the Entrepreneurship Centre at SUTD to attend the European Innovation Academy- a startup accelerator and entrepreneurship program in Turin, Italy.
- Appointed as the Chief Technology Officer of a B2B startup 'GetTheFit'- an online marketplace for women to trade clothing, based on their specific body dimensions and style preferences.
- Developed an Android application as a prototype, incorporating various APIs while designing the app; used software development tools to help the marketing team create and roll out campaigns.

Singapore University of Technology and Design — **Singapore**
Leaf-Me-Alone, Lead Software Developer — **Jan 18 - Apr 18**
- Led a team of 5 to design a Python application called *Leaf-Me-Alone* to monitor the growth of a plant in real-time and show the live image, moisture levels, and light intensity of the plant to the user.
- Used Kivy, a Python framework for NUI development, to create the app interface; Google Firebase to store and retrieve moisture levels, light intensity and live image at a recurring frequency of 5 seconds; used Raspberry-Pi for multiple sensors and camera used.

CO-CURRICULAR ACTIVITIES

SUTD Tennis — **Singapore**
Treasurer and Team-captain — **Sep 17 - Dec 18**
- Managed club funds of SGD 1,000/year and allocated them accordingly to be used in team events and to purchase inventory.
- Captained SUTD Tennis team at the the Singapore University Games (SUniG) 2019.

ADDITIONAL INFORMATION

- Proficient in Java, Python, HTML, CSS & Javascript, Swift (iOS Development), Node.js, Android Development, Git
- Well acquainted with incorporating cloud services and RESTful APIs
- Experienced in software testing using JUnit, Selenium, Cucumber
- Winner of the Tennis Nationals in the U-14 Category in India