KUNDAN DALMIA

Mobile: +65 81324144 | Email: kundan_dalmia@mymail.sutd.edu.sg
LinkedIn: www.linkedin.com/in/kundan-dalmia | Website: https://kundanda.github.io

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 & COMPETITIONS

Singapore University of Technology and Design **Singapore**
SUTDCoin, Blockchain Developer (Python) **Jan 20 - Mar 20**
- Worked in a team of 4 to design and implement a cryptocurrency called SUTDCoin using concepts from the Blockchain course at SUTD.
- Designed the entire blockchain network for SUTDcoin to allow students to transact using SUTDCoins, and allow miners to mine the blocks with successful transactions onto the blockchain network by demonstrating Proof-Of-Work (PoW).
- Leveraged on Bitcoin's Proof-of-Work concept to help facilitate the design of SUTDCoin's blockchain network.

Peeptrade Investment Challenge, Winner **New York City**
The Wolves of Somapah Road, Financial Analyst **Nov 19 - Dec 19**
- Achieved the highest investment returns of 169.13% globally, beating the market index (S&P) by a margin of 165.16% at the Peeptrade Investment Challenge sponsored by NASDAQ and University of Chicago, thereby emerging as the winner in the undergraduate category.
- Invited to the Investors Innovation Summit held at NASDAQ in New York City to pitch the investment strategy to investors.
- Targeted volatile and volumetric stocks with a high systematic risk in order to ensure maximum liquidity at the time of executing the trade. Used concepts learnt in the Investment Science course at SUTD to develop an investment strategy with 2 other teammates.

Singapore University of Technology and Design **Singapore**
WhatNext?, Machine Learning Developer (Python) **Sep 19 - Dec 19**
- Worked in a team of 3 to develop a text prediction machine learning model which suggests users with words to complete a sentence based on their texting behaviour by assigning probabilities to the words and tags at their respective position in a sentence.
- Used Hidden Markov Model (HMM) and Natural Language Processing (NLP) concepts to develop the model for suggesting the appropriate word with the highest probabilistic prediction score based on the previous words used and the sentiment of the sentence.
- Achieved an overall prediction accuracy of 97% during the testing phase by optimising the weights of the model well during the training and validation phase.

Singapore University of Technology and Design **Singapore**
Master-Analysts, Financial Analyst **Sep 19 - Dec 19**
- Performed in-depth financial analysis on Mastercard's stock (NYSE: MA) and recommended a BUY decision.
- Leveraged extensively on Bloomberg Terminal to analyse and model quantitative data about Mastercard and its competitors.
- Analysed quantitative parameters and metrics such as Earnings Estimates, P/E ratio, Dividend Payout, Free Cash Flow, Intrinsic Value along with qualitative parameters such as global news, macroeconomic and microeconomic information before making the BUY decision.

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.

ADDITIONAL INFORMATION

- Proficient in Java, Python, HTML, CSS & Javascript, SQL, 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
- Interested in reading about and analysing financial markets, specially equities and bonds
- Winner of the Tennis Nationals in the U-14 Category (Singles and Doubles) in India & ex-captain of SUTD Tennis team.