

Sidharth Praveenkumar

Email: praveenkumar@mymail.sutd.edu.sg

Phone: +65 9118 8417

LinkedIn: <https://www.linkedin.com/in/sidharthpraveen/> GitHub: <https://github.com/sidharth3/>

EDUCATION

Singapore University of Technology and Design

Singapore

- Bachelor of Engineering (completed freshman year)
- Pursuing Informational Systems and Technology Design (ISTD)
- Expected Date of Graduation: September 2021

May '18 to present

Global Indian International School (GIIS)

Singapore

- Achieved 96.2% aggregate for Grade 12(A level equivalent)

Aug'13 to Mar'18

WORK EXPERIENCE

Singapore Airlines

Singapore

Digital Innovation Intern

May'19 to present

- Researched on Optical Character Recognition (OCR) systems and implemented a card scanner application that is capable of syncing contacts directly onto employee's networks. Used NodeJS to handle client requests, integrated with Google Cloud Vision API for text extraction and python for classification.
- Presented idea to Business Units and achieved a 97% success rate among the test data. Implemented prototype using Agile Framework; prototype was approved and handed over to senior developers for deployment.

ACADEMIC RESEARCH AND PROJECTS

Undergraduate Research and Opportunities Programme(UROP)

Singapore

Machine Learning and AI for Fabrication Design

Sept'18 to Jan'19

- Managed and developed with a team of five members on a Machine Learning model that helps in voxelization and recreating crystal structures using Keras.
- Grasped fundamentals of machine learning and layering of neural networks using Keras and TensorFlow.

Digital World 1D Project

Singapore

Integrated Consultation Booking System

Jan'18 to Mar'18

- Spearheaded a team of four other members to develop a middleware consultation booking system between professors and students in universities, with separate application for student and professor ends.
- Utilized Google Firebase to implement IOT in updating vacant and occupied slots; specifically worked on back-end data integration and application architecture.

AWARDS AND ACCOMPLISHMENTS

NUS HackNRoll Hackathon

Singapore

Top 5 Winning Team

Jan'19

- Won Singapore's largest annual student led hackathon with an estimate turn up of 400 participants.
- Worked with a team of 4 to develop a convolutional neural network to classify facial emotions and a game to help actors enhance their emotions.
- Additionally, worked with the graphical front end interface of the game, using PyGame and TKinter libraries.

VR Hackathon

What the Hack 2018

Sept'18

- Collaborated with a team of 4 in creating a Virtual Reality platformer game over the course of 24 hours using Unity as the development engine and C# as the programming language.
- Exclusively developed the front-end experience and the graphics of the game.

CO CURRICULAR ACTIVITIES

Design Odyssey

Singapore

Student Mentor

Jan'19 to Mar'19

- Mentored secondary school students to guide them through 'The Schools Challenge', a social innovation competition. Taught design thinking methodologies as well as innovation cycles.

SUTD Student Government, ROOTS

Singapore

Director of Student Initiatives

July'18 to present

- Led a team of 15 members to organize the 2019 Open House event for SUTD.
- Represented multiple CCA Clubs and kept track of their budgets and expenses for the financial year and each pulse check.

ADDITIONAL INFORMATION

- Proficient and well versed at Python, R, NodeJS, C++ and Java for Android Development
- Acquainted with libraries such as Selenium, PyGame, NumPy, TensorFlow, OpenCV, Keras and REST APIs.
- Intermediate in SketchUp, Illustrator and Photoshop