Sidharth Praveenkumar

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EDUCATION

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN
BEng in Information Systems and Technology Design
Specialization: Artificial Intelligence
Expected Aug 2021 | Singapore

GLOBAL INDIAN INTERNATIONAL SCHOOL
CBSE Grade 12 | 96.2%
PCM + Computer Science
Grad. May 2018 | Singapore

LINKS & CONTACT

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COURSEWORK

UNDERGRADUATE
Software Engineering and Testing
Data Structures and Algorithms
Computer Architecture and OS
Computer and Network System Design
Linear Algebra and Multi-variable Calculus
Probability and Statistics

SKILLS

PROGRAMMING
Languages
Python • Java • JavaScript
Kotlin • C++ • C#
Frameworks
Node • React • Redux
• Android Development

ACTIVITIES

Undergraduate Teaching Assistant
Module: 10.011 Introduction to Physical Chemistry
7th Student Government
Director of Student Initiatives
Design Odyssey
Student Mentor for secondary school students

CERTIFICATIONS

Associate Cloud Engineer, Google
Architecting with Google Compute Engine

WORK EXPERIENCE

CREDIT SUISSE | Technology Summer Analyst
Jun 2020 - Aug 2020 | Singapore
- Developed a feature comprising of a dashboard view that summarizes various trade metrics across different dates, using **React.js** and **Redux** for data pipelining within the front end architecture.
- Enriched an existing API response and accordingly changed the back end configurations to the transformer and the database, using **Kotlin**.

DATARAMA | Data Science Intern
Dec 2019 – Jan 2020 | Singapore
- Researched and modified a **BERT** model for text summarization to enhance the accuracy of the previously implemented model. Achieved an aggregated accuracy of 93% through testing of 100 news articles, across English, French, Bahasa and Chinese.
- Built a web crawler using **Selenium** and **BeautifulSoup** that extracts news articles and feeds them into the model to gain the corresponding article summaries.

SINGAPORE AIRLINES | IT Innovation Intern
May 2019 – Aug 2019 | Singapore
- Lead developer of a web view application for Android and iOS that uses Google's Cloud Vision API for detect text from images. Developed a classification algorithm using NLP to extract relevant fields of the subject. Back-end system was built using **Express** and **Node.js**.
- Presented prototype to business units and achieved a 99% success rate among the test data. Implemented prototype using **Agile**, and was handed over to senior developers for deployment.

RESEARCH AND PROJECTS

GOOGLE CLOUD | Cloud Student Sprint Program
May 2020 – Aug 2020 | Singapore
Selected as one among 60 undergraduates for the inaugural cohort of Google Cloud's 12-week mentorship program. Received full funding by Google Cloud for learning materials and to take the **Associate Cloud Engineer** Certification.

INFORMATION SYSTEMS AND PROGRAMMING | BLink
Sept 2019 – Dec 2019 | Singapore
Collaborated with a team of 5 for the development of **BLink**, an events solution **android** application that leverages on Computer Vision to ease attendance taking. The app allows users at the same event to network and connect through novel ways.

AWARDS

TOP 3RD TEAM | Mitsubishi Corp. Award
Dec 2019 | SUTD
Awarded 3rd Prize (S$1000) by Mitsubishi Corp. for outstanding code and implementation of **Blink**, among a faculty of 150+ students.

TOP 5 WINNING TEAM | NUS HackNRoll 2019
Jan 2019 | NUS
Won Singapore's largest student led hackathon for the implementation of a gamified application, that helps beginners practice acting skills.