

Sidharth Praveenkumar

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EDUCATION

SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

BENG IN INFORMATION SYSTEMS

AND TECHNOLOGY DESIGN

Specialization: Artificial Intelligence

Magna Cum Laude

Expected Aug 2021

GLOBAL INDIAN INTERNATIONAL SCHOOL

CBSE Grade 12 | 96.2%

PCM + Computer Science

Grad. May 2018 | Singapore

LINKS & CONTACT

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🌐: sidharth3

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++ • SQL

Frameworks

Node • React • Redux

• Android Development

ACTIVITIES

Undergraduate Teaching Assistant

• 10.014 Computational Thinking for Design

• 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

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.
- Developed specific API endpoints using **Spring Boot Kotlin**.
- Wrote unit and integration tests for the developed modules using **Chai**, **Mocha** and **JUnit5**, while adhering to **CI/CD** pipelines on **Atlassian**, **Git**.

DATARAMA | DATA SCIENCE INTERN

Dec 2019 - Jan 2020 | Singapore

- Researched and implemented a **BERT NLP** model for **text summarization**.
- Achieved an average accuracy of **93%** through testing with news articles, across English, French, Bahasa and Chinese.

SINGAPORE AIRLINES | IT INNOVATION INTERN

May 2019 - Aug 2019 | Singapore

- Developed a web view application to prototype a hybrid feature for iOS and Android, using **Express.js**, **Node.js**.
- Leveraged on **GCP Vision API** for text extraction and implemented a **classification** algorithm using **NLTK**.
- Followed **Agile** development practices and presented prototype to business units, achieved **95%** accuracy. Prototype was handed over to senior developers for deployment.

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.

BLINK | INFORMATION SYSTEMS AND PROGRAMMING

Sept 2019 - Dec 2019 | Singapore

Collaborated with a team of 5 for the development of **BLink**, a full stack **android** application that leverages on **facial recognition** 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 (\$\$1000) by Mitsubishi Corp. for outstanding software engineering practices 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.