

Siddharth Madhavan

Bachelors in Engineering (Honours), Computer Engineering
Second Major in Innovation and Design Program
National University of Singapore (NUS)

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Nationality: Singaporean



About Me

I am a Computer Engineering (CEG) graduate from the National University of Singapore (NUS). My education and personal pursuits have equipped me with a vast array of skills and experiences. As a smart working individual, I am looking for an opportunity to work in an organization that is innovative, driven and believe in gaining a competitive edge.

Education

Aug 2016 - May 2020	National University of Singapore Bachelor of Engineering (Honours) in Computer Engineering and Second Major in Innovation and Design Program Cumulative Average Point: 4.39 / 5.00 or 3.51 / 4.00	Singapore
Aug 2018 - Jul 2019	NUS Overseas Colleges Toronto <ul style="list-style-type: none">A year-long entrepreneurial program where students work at a high tech startup in Toronto, Canada and simultaneously study entrepreneurship courses.	Toronto, Canada
Aug 2018 - Jul 2019	University of Toronto <ul style="list-style-type: none">Took courses in entrepreneurship, marketing and new venture creation over a duration of one year.	Toronto, Canada
Jan 2012 - Nov 2013	Jurong Junior College <ul style="list-style-type: none">Singapore-Cambridge General Certificate of Education Advanced LevelSubjects: Physics, Chemistry, Mathematics, Economics	Singapore

Work Experience

Oct 2020 - Present	Visa, Inc <i>Associate Technical Product Analyst</i> <ul style="list-style-type: none">In-Charge of constructing Architecture Diagrams, Server and Firewall Blueprints.In-Charge of gathering requirements and bringing different teams together to achieve the project objective.In-Charge of training new employees and getting them up to speed.	Singapore
Jun 2020 - Sep 2020	Bot MD <i>Software Engineering Intern</i> <ul style="list-style-type: none">Created an ECG alert Integration to alert the doctors via the chatbot when an ECG is sent from the ambulance. This helped in making sure the doctors were well prepared for the patients.Created a mental health check in module to capture the moods of the users.Integrated Box with the chatbot. This helped in easy onboarding of new customers	Singapore

Aug 2018 - Jul 2019

Blockthrough
Software Engineering Intern

Toronto,
Canada

- Created an industry standard Single Request Architecture that would reduce the network calls being made to the server. With reduced latency, more auctions were taking place and thereby increased the overall revenue by about 40%.
- Implemented a tag-free way for publisher's to onboard, which reduced the on-boarding time by 1/3.
- Aided in getting Google Ad Exchange up and running for all publishers which increased the overall revenue by more than 20%.
- Developed a working prototype of Amazon's A9 integrated with the current solution.
- Generated a lambda script that runs on a cron job, to actively create configuration file that would be used by the cloud to insert advertisements on to the publisher's page.
- Assisted in developing an Apollo GraphQL Server Backend for the the new dashboard that was being migrated from Django.

Jun 2017 - Oct 2017

PayBoy Private Limited
Software Engineering Intern

Singapore

- Worked on integrating APIs, adding new and updating existing features with the use of Ruby on Rails, Vue JS and Vanilla JS.
- Wrote tests to check the credibility of the program using RSpec.
- Represented the company at the Echelon Asia Summit 2017.

Scholastic Achievements/Extracurricular Activities

Jan 2017 – Nov 2017

Innovation and Design Programme (iDP) Business Committee

Singapore

- In-Charge of gathering sponsorships, liaising with companies and organizing events.

Aug 2016 - Apr 2017

Tech Factor Challenge (Semi Finalist)

Singapore

- Prototyped an automated pill-cum-syrup dispenser to help tackle the problem of medical adherence.
- Obtained a seed fund of SGD \$4000.

Projects & Hackathons

Aug 2017 - Nov 2017

Audio Effects – Verilog Project

Singapore

- Programmed the Xilinx FPGA Basys3 in Verilog language.
- Added new features such as volume control, pitch changer, delay, instrumental sounds, playback, seven segment display and countdown timer.
- Learnt the basics of MATLAB programming, to understand and change an existing code to suit the needs of the project.

Aug 2017 - Nov 2017

Directory of Contacts (DoC)

Singapore

- Programmed a command Line Interface (CLI) application, which provides a speedy solution to manage event and contact information, with only just a few clicks on the keyboard.
- Written in Java language.