

# JEEVAN NERALAKERE SOMASHEKHAR

**Mobile:** +65 9720 0840  
**Email:** [jeevan@u.nus.edu](mailto:jeevan@u.nus.edu)  
**Skype:** jeevns007  
**Online Resume:** <https://jeevz10.github.io/>  
**Github** <https://github.com/Jeevz10>



## PERSONAL STATEMENT & COMPETENCIES

For years, I have been inspired by how highly innovative Unicorns such as, ‘Uber’ and ‘WhatsApp’, have changed the course of the world. The very idea of turning simple solutions to real world problems into multi-million-dollar business models fuels my passion for innovation and entrepreneurship. Thus, I want to immerse myself in the highly innovative and collaborative start-up eco-system in New York.

My career goal is to eventually tap on ever-evolving innovative technologies and be a part of the elite class of startups in the future.

I would like to seek an opportunity to contribute as an intern in your start-up. Currently, I am in my 4<sup>th</sup> semester (2<sup>nd</sup> Year) as a Computer Engineering student at National University of Singapore, (NUS). I believe I can contribute greatly to your startup. Some of my strengths and skillsets are:

- Entrepreneurial mind set, strong analytical and problem-solving skills (Currently a backend developer in a startup)
- Ability to take on challenges and embrace problems heads-on (Led numerous entrepreneurial-like projects in University)
- Strong ability to collaborate with a can-do spirit and risk-taking ability
- Highly driven and resourceful personality with a drive for all-round excellence
- Proficient and proven team leader with good knowledge of **project management, people skills and communication** (Soccer captain)
- Managed and trained cross-functional teams of people from different backgrounds (Trained 1000 Basic Military Recruits as a Platoon Commander and handled 25 College Sports in NUS as sports director at Ridge View Residential College, a Residential College in NUS)

I am able to contribute to the startup in numerous ways, namely:

- Software Frontend/Backend/Fullstack Developer
- Product Design & Platform Development, Positioning, Disruptive Product life Cycle Marketing
- Creating & Testing Innovative Business Models, testing them at various different market segments

Through this internship period, I hope to gain a first-hand experience from the start-up founders and developers as well as understand customer needs, opportunities, value proposition and business model. Working in a like-minded team where innovative ideas are centered around ever-evolving technology will allow me to learn a great deal on the following:

- How to run a start-up & its challenges? In terms of resources, funding, talent & team management
- How to look for an innovative idea which can stand out in the market?

- How to tap on rapidly evolving technology? (Technology Push Vs Demand Pull)
- How to provide total customer solutions and experience? (Creating and Delivering Value)
- To be ready for disruptive challenges and opportunities in the decade ahead.

I am truly interested in the fast-changing digital world by tapping on the behavior and mindset of people, society and real-world business issues. I believe I will be a great addition to your startup team and sincerely hope you do consider me for the internship opportunity.

## AREA OF INTEREST

1. Product and Platform Design for Mobile Technologies (Better User Experience, UI/UX)
2. Industrial Robotics and Smart Applications, Industry 4.0
3. Smart Nation, Smart Homes, Data Security
4. Intelligent Cloud/5G, IOT, AI/ML and Big Data Analytics (Data Science)

## EDUCATION

August 2017 - Present	<b>National University of Singapore</b> Bachelor of Computing (Honours) in Computer Engineering (Currently in 2 <sup>nd</sup> year)	Singapore
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## STARTUP INTERNSHIP EXPERIENCE

1. Interned at DateIdeas @ National University of Singapore (NUS) Hangar Incubator

**Duration:** 4 Months (Dec 2018 - Present)

**Description:** Dateideas is an online platform for customers to get to know about the latest events and promotions happening in different locations in the city. I am working as a back end database developer for the portal.

2. Interned at Nanyang Technological University (NTU) Energy Research Institute

**Duration:** 4 Months (Dec 2018 - Present)

**Description:** NTU Energy Research Institute utilizes IOT technology to collect, store and analyze data of the environment variables in the vicinity.

## PROJECT EXPERIENCE

### *Robotics Applications*

1. Autonomous Robot

**Duration:** 3 Months (Sep – Nov 2017)

**Team Size:** 5

**Description:** Designed an autonomous robot that traverses through a controlled environment. Features include sound and light sensors with infrared sensors. Implemented the robot using an Arduino Uno.

## 2. Tele-Operated Robot

**Duration:** 3 Months (Feb – April 2018)

**Team Size:** 5

**Description:** Designed a tele-operated robot which feedbacks an environment map relayed through the SLAM algorithm. Using the map, the robot is used to traverse the controlled environment. The robot independently backtracks to its starting position. Implemented using an Arduino Uno, Raspberry Pie 3, SLAMTEC RPLIDAR A1.

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### *FPGA Board*

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## 1. Field-Programmable Gate Array Piano

**Duration:** 3 Months (Feb – April 2018)

**Team Size:** 2

**Description:** Designed a piano with VGA representation using the Digilent Basys3 FPGA board. Implemented by executing varying frequencies of different octaves on the FPGA board.

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### *Game Development*

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## 1. 2-D Unity Game

**Duration:** 4 Months (May – Aug 2018)

**Team Size:** 2

**Description:** Designed a 2-D, Unity-based game. Implemented for Orbital, a NUS summer program. Basic idea of the game is a race-against-time system where the player must clear multiple obstacles and stages to advance.

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### *Database Management Systems*

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## 1. Website Development

**Duration:** 3 Months (Sep – Nov 2018)

**Team Size:** 4

**Description:** Designed a HTML-CSS with PHP database website to suit client needs for school project. Implemented by creating a back-end database in Postgresql and linking it to front-end website.

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### *Software Engineering*

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## 1. Application Development

**Duration:** 3 Months (Sep – Nov 2018)

**Team Size:** 5

**Description:** Designed a Project Management Command Line Interface (CLI) application using Java for school project. Implemented basic User Interface (UI) using FXML and documented with Javadocs and asciidocs.

## **LEADERSHIP EXPERIENCES AND ACCOMPLISHMENTS**

### **Commissioned as a 2<sup>nd</sup> Lieutenant at Officer Cadet School (OCS) in Singapore Armed Forces – 2015/16**

- Excelled in Basic Military School (BMT) and was selected to train at Officer Cadet School (OCS), the highest tier and most prestigious army leadership institution in Singapore for 9 months.
- Commissioned as a 2<sup>nd</sup> Lieutenant. With my excellent performance and good peers review, Commander recommended and granted my early promotion to 1<sup>st</sup> Lieutenant.

### **Managed and Trained 1000 recruits at Basic Military Training Centre in Singapore Armed Forces – 2016/17**

- Posted to Basic Military Training School where I had the opportunity to train more than **1000 army recruits over the period of 9 months.**
- Learnt the art of effective communication and presentation skills to command respects from the peers, whilst training recruits.
- Expanded my people management and Project handling capabilities.

### **Appointed as Residential College Sports Director (RVRC) -2018 /19**

- Appointed Sports Director in RVRC Residential College at NUS in 2018. Managed 25 sports.
- Head of Programs Committee in the NUS Inter-College Games Board where we planned and executed the schedule, venue and resources for all 25 of the Inter-College Games.

### **Soccer Captain – 2017/18/19**

- Ridge View Residential College (RVRC) Soccer and FIFA captain for 2018/2019 (1<sup>st</sup> place for both sports in Inter-College Games 2018).
- School of Computing (SoC) Soccer captain for the Inter-Faculty 2017/2018 Games.

### **Orientation House Head and Group Leader - 2018**

- Orientation House Head for RVRC Residential College Freshmen Orientation Camp in July 2018.
- Orientation Group Leader for School of Computing & Engineering Freshmen Camps in June - August 2018.

### **Cricket Captain – 2013/14**

- Captain of St Andrew's Junior College Cricket team in 2014.
- Vice-Captain of St Andrew's Junior College Cricket Team in 2013.

## SKILLSETS

SN	Description	Skillsets	Proficiency
1	Programming	C, C++, Java, Javascript, Python	Proficient
2	Web Development	HTML, CSS, PHP, Node JS	Proficient
3	Data Base Development	PostgresSQL	Proficient
4	Version Control	Git, GitHub, Sourcetree	Proficient
5	Games Design & Development	Unity	Basic
6	Mobile Application Development	Android	Basic
7	Markup Language	XML	Basic
8	Productivity Tools	MS Office, Word, Power Point, & Excel	Proficient
9	Operating System	Windows XP, 7, 10	Proficient
10	Language Proficiency	English (Spoken & Written)	Competent

## ENTREPRENEURSHIP ACTIVITIES

Participated in INDIA SINGAPORE STEPPING INTO THE FUTURE at MBS on 31st May 2018	2018
Participated in SWITCH – Singapore Week of Innovation & Technology at MBS on 18th September 2018	2018
Participated in Bosch-Ville Hackathon on 1 <sup>st</sup> and 2 <sup>nd</sup> July	2018
Participated in Singapore FinTech Festival Singapore	2018
Participated in EDGE events at Block 71	2017