

# Suyash Lakhotia

Developer, Aspiring Engineer & Machine Learning Enthusiast

Last updated on 19/02/18. Latest version of this resume: <https://goo.gl/C93P4d>.

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## EXPERIENCE

### Google, Singapore — Software Engineering Intern

MAY 2017 — AUGUST 2017

- Built two Allo 'Activities' (mini-apps for Allo), from ideation to prototype.
- Contributed to the Activity framework by identifying & fixing critical bugs.
- Tech Stack:** JavaScript, Firebase, Java (Server-Side) & Android.

### SAP, Singapore — Software Engineering Intern

JUNE 2016 — DECEMBER 2016

- Built an end-to-end IoT medical solution to livestream patient vitals to a doctor's hybrid (i.e. web + native mobile) application.
- Built multiple reference SAPUI5 hybrid applications for internal use.
- Tech Stack:** SAPUI5 + Cordova (Hybrid Apps), HANA Cloud Platform + HANA XSJS + SQL (Back-End Services) & Node.js (IoT Edge).

### Creatella, Singapore — Front-End Developer

MAY 2016 — JULY 2016

- Tech Stack:** Framework7, jQuery, JavaScript & Sass.

## SELECTED PROJECTS

### Text Categorization — Deep Learning Research

AUGUST 2017 — PRESENT

- Benchmarking and improving multiple deep learning architectures for text classification, with a focus on graph convolutional neural networks.
- Supervised by Prof. Xavier Bresson, Nanyang Technological University.
- Tech Stack:** TensorFlow, scikit-learn & NumPy

### Context News Bot — Applied ML + Chrome Extension

NUS HACK&ROLL 2018 (Won Top 8 Prize & Most Socially Useful Hack)

- Provides relevant news articles from differing perspectives for tweets.
- Uses entity recognition and sentiment analysis combined with custom heuristics to score retrieved news articles on relevance and saliency.
- Tech Stack:** Chrome Extension (JavaScript), Google Cloud Natural Language API, Twitter API, News API & Flask (Python)

### CodeBot — AI Chatbot + Web Application

FACEBOOK SINGAPORE HACKATHON 2016

- Interactive chatbot to help beginners learn the basics of programming.
- Tech Stack:** Node.js, MongoDB, api.ai, HTML, CSS & JavaScript.

## SKILLS

- Programming Languages:** Java, JavaScript, Python
- Development:** HTML5 + CSS3, Sass, jQuery, Bootstrap, Django, Flask, Node.js, Android, SQL, Firebase, MongoDB, Git, Bash
- Research:** TensorFlow, scikit-learn, NumPy, Theano, NLTK, LaTeX

## EDUCATION

### Nanyang Technological University, Singapore

B.Eng. in Computer Science

AUGUST 2014 — AUGUST 2018

Focus in Intelligent Systems (AI)

Minor in Entrepreneurship

Dean's List (2016 - 2017)

Cum. GPA: 4.66 / 5.00

Major GPA: 4.83 / 5.00

## CO-CURRICULARS

### NTU Open Source Society

President

AUGUST 2015 — PRESENT

### IEEE NTU Student Branch

President

AUGUST 2014 — JULY 2017

### Code In The Community

Volunteer Python Instructor

FEBRUARY 2017 — MAY 2017

### iNTUition (Hackathon)

Founding Team / Chairperson

OCT. 2014 | MARCH 2016 | OCT. 2016

### Microsoft

Student Partner (Singapore)

FEBRUARY 2015 — MAY 2016

### Nanyang Tech. University

Student Researcher (URECA)

AUGUST 2015 — DECEMBER 2015

## SELECTED COURSEWORK

Algorithms & Data Structures

Adv. Topics in Algorithms

Artificial Intelligence

Machine Learning

Neural Networks

Natural Language Processing

Operating Systems

Distributed Systems

Adv. Computer Architecture

Adv. Software Engineering

Compiler Techniques