

# Amrut Prabhu

amruto8@gmail.com

## EDUCATION

### NATIONAL UNIVERSITY OF SINGAPORE

#### B.COMP (HONOURS) IN COMPUTER SCIENCE

Expected July 2020 | Singapore  
Conc. in Software Engineering and Artificial Intelligence  
Minor in Management of Technology  
Cum. GPA: 4.72 / 5.0

## LINKS

Github: [amrut-prabhu](#)

LinkedIn: [amrutprabhu](#)

Website: [amrut-prabhu.github.io](#)

## COURSEWORK

- Thematic Systems Project
- Software Engineering Principles and Patterns
- Machine Learning
- Software Engineering (Teaching Asst)
- Computer Vision
- Data Structures and Algorithms (Teaching Asst)
- Computer Networks
- Operating Systems

## SKILLS

### PROGRAMMING

Proficient:

Java • JavaScript

Familiar:

Python • C++ • C • HTML • CSS • Matlab • MySQL

### TOOLS AND FRAMEWORKS

Familiar:

Git • Pandas • Scikit-learn • SCSS • LESS • Vue.js • Bootstrap • Nginx

## EXPERIENCE

### WORKS APPLICATIONS | SOFTWARE DEVELOPMENT INTERN

May 2018 – August 2018 | Singapore

- Collaborated with 2 members to develop a framework to speed up development of custom ERP software for clients.
- Redesigned a feature to support **batch CRUD operations** using Java for server-side and JavaScript for client-side changes.
- Effectively fixed **multiple bugs** in both front-end and back-end.
- Streamlined application deployment to a **single step process** by utilizing Jenkins, Docker-compose and Nginx.

### NUS SCHOOL OF COMPUTING | TEACHING ASSISTANT

CS2103 Software Engineering | Aug 2018 - Dec 2018 | Singapore

- Guided 2 teams through the development of their Software Engineering projects and in-class tutorial sessions.
- Engaged discussions around concepts such as Software Design Principles, UML diagrams, software development life cycle (SDLC), and the relevant tools used.
- Evaluated final projects of the teams and reviewed their GitHub pull requests.

CS1020 Data Structures and Algorithms 1 | Jan 2018 – May 2018 | Singapore

- Facilitated discussions for 40 students for problems centered around data structures, algorithm design and program efficiency.
- Effectively evaluated students' programming assignments.

## PROJECTS

### CHAIRVISE | PYTHON, VUE.JS

Sep 2018 – Nov 2018

- Developed the web application to visualize Microsoft CMT conference data.
- Enhanced the visualization feature by adding support for uploads of **multiple files** and deriving insights from the file combinations.

### HIGHLIGHT | JAVASCRIPT, HTML, CSS

Sep 2018

- Collaborated with 2 team members to develop the **Chrome Extension** at the Facebook Singapore Hackathon 2018.
- Modifies the markup of the web page to highlight the most important text, which is derived from the activity of previous visitors.

### CLUB CONNECT | JAVA, JAVA FX

Jan 2018 – Apr 2018

- Desktop application to ease management of clubs in NUS.
- Designed and improved end-to-end features using **Agile development**.
- Developed import and export features to improve functionality of the app.
- Built a feature to add profile pictures for users.

## CO-CURRICULAR ACTIVITIES

### NUSSU COMMIT | CENTER AND OPERATIONS MANAGER

July 2018 – present | IT wing of NUS Student Union (NUSSU), Singapore

- Managed the everyday operations of the 2 NUSSU computer centers.
- Coordinated the scheduling of over 60 supervisors for the centers.
- Trained members to effectively supervise and cater to user requests at the computer centers.