

Amrut Prabhu

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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

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 software for clients.
- Redesigned a feature to support **batch CRUD operations** using Java on the 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.
- Concepts covered include Software Design Principles, UML diagrams, Software Development Life Cycle (SDLC), and the relevant tools used.
- Reviewed GitHub pull requests and evaluated the final projects of the teams.

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.