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
Cum. GPA: 4.82 / 5.0

LINKS

Github: **amrut-prabhu**
LinkedIn: **amrutprabhu**

COURSEWORK

• 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 • Vue.js • LESS • Bootstrap • Nginx • Docker

EXPERIENCE

WORKS APPLICATIONS | Software Development Intern
May 2018 – August 2018 | Singapore
- Collaborated with 2 members to develop a framework to make custom software development faster for clients.
- Enhanced 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 during the development of their Software Engineering projects.
- Concepts covered include UML diagrams, Software Design Principles, Software Development Life Cycle (SDLC), and the relevant tools needed.
- Reviewed GitHub pull requests and graded final project demos of the teams.

CS1020 Data Structures and Algorithms 1 | Jan 2018 – May 2018 | Singapore
- Facilitated discussions centered around data structures, algorithm design and program efficiency for 40 students.
- Effectively evaluated students' programming assignments.

PROJECTS

CHAIRVISE | Python, Vue.js
Sep 2018 – Nov 2018
- Developed the web application to visualize conference data.
- Enhanced the visualization feature by supporting uploads of **multiple files** and deriving insights from the file combinations.

HIGHLIGHT | JavaScript, HTML, CSS
Sep 2018
- **Chrome Extension** developed in a team of 3 at the Facebook Singapore Hackathon 2018.
- Modifies the HTML to highlight the most important text on a webpage, as indicated previously by other users.

CLUB CONNECT | Java, JavaFX
Jan 2018 – Apr 2018
- Desktop application to ease management of in NUS.
- Developed and improved end-to-end features using **Agile development**.
- Designed 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
- Oversaw 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.