Amrut Prabhu

amrut08@gmail.com | Singapore

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Bachelor of Computing (Honors) in Computer Science
Graduation: May 2020 | Singapore
Conc. in Software Engineering and Artificial Intelligence
Minor in Management of Technology
GPA: 3.75 / 4

SKILLS

Proficient:
Java • JavaScript • React • Git

Familiar:
Node.js • Python • React Native • C++
HTML • CSS • SCSS • C • Bootstrap

Prior Experience:
MySQL • R • SAS • OpenMP
CUDA • Docker

LINKS

Portfolio: **amrut-prabhu.github.io**
Github: **amrut-prabhu**
LinkedIn: **amrutprabhu**

COURSEWORK

- Software Engineering
- Parallel Computing
- Formal Methods for Software Engineering
- Data Structures and Algorithms
- Computer Networks
- Operating Systems
- Machine Learning
- Artificial Intelligence
- Natural Language Processing

TEACHING

- Machine Learning: Fall, Spring 2019
- Software Engineering: Fall 2018
- Data Structures and Algorithms: Spring 2018

OPEN SOURCE

- TEAMMATES • NUSMods

ACTIVITIES

NUSSU commIT (AY18/19, AY17/18):
Center and Operations Manager
TeamNUS Cricket (AY18/19):
Varsity Team Athlete

EXPERIENCE

SHOPEE (Sea Group) | Software Engineering Intern
May 2019 – August 2019 | Singapore

- Worked as a **Mobile Engineer** (React Native) in the **Shopee** App team.
- **Reduced the loading time** of the product review images page by **over 50%** by overhauling the technology behind it to React Native.
- **Accelerated the creation of navigation routes** for operators and developers by designing a web application using React & Redux.
- Created a **library to convert URLs** to in-app navigation routes.
- Tech stack: React Native, React, Redux, Flow, Node.js, Jest, GitLab CI

WORKS APPLICATIONS | Software Engineering Intern
May 2018 – August 2018 | Singapore

- Upgraded the underlying framework used to **expedite development** of custom ERP software.
- Added the **import feature** for a new data type, and **reduced slow database queries** by enhancing CRUD to allow batch operations.
- **Fixed multiple bugs** such as non-persistent highlighted text in search results.
- **Streamlined deployment** to a single step process for the MSA application.
- Tech stack: Java, JavaScript, Jenkins, Nginx, Docker, LESS

PROJECTS

TEAMMATES ⃝ | Java, TypeScript, Angular, JMeter
Jan 2019 – present

- Contributing code, code reviews and issues to TEAMMATES, an open source feedback platform that has served over 350,000 users.
- Architected a **L&P testing framework** using the JMeter Java API. Led a team of 3 to set up data and create tests for multiple API endpoints.
- Developed a **feature to regenerate unique links** to a user's feedback sessions.
- Collaborated with a developer to allow unregistered users to **recover their session links** after reCAPTCHA verification.

CHAIRVISE ⃝ | Python, Vue.js
Oct 2018 – Nov 2018

- Developed a web application to **visualize** Microsoft CMT conference data.
- Enhanced the visualization feature by deriving **insights from file combinations** in multi-file uploads.

PREDICTION OF EARNINGS AND REPAYMENT RATES ⃝ | Python
Sep 2018 – Nov 2018

- Led a team of 5 to predict student earnings and repayment rates over time using the College Scorecard Dataset.
- Tuned ML models such as **Gradient Boosting** and Random Forest regressor with Regressor Chain to achieve an accuracy of ~86% on the test set and **91%** overall.
- **Visualized and analyzed** the results to understand the implications of the models.

HIGHLIGHT ⃝ | JavaScript, HTML, CSS
Sep 2018

- Collaborated with 2 developers to create a **Chrome Extension** at the Facebook Singapore Hackathon 2018.
- Programmed the extension to highlight the **vital content** of a webpage by analysing previous user activity.