

## Nashita Guntaguli

---

Singapore, 536558 • nashitag@gmail.com • +65 87507863

Profile - [nashita.netlify.app](#)

### Education

#### SINGAPORE UNIVERSITY OF TECHNOLOGY AND DESIGN

**Summa Cum Laude, GPA 4.53/5**

Singapore

May 2017 - August 2020

Bachelor of Engineering (Information Systems Technology and Design), **Honors with Highest Distinction**

Minor in Artificial Intelligence, Specialization Track: Data Analytics

SUTD Honors List 2018, 2019, 2020

#### STANFORD UNIVERSITY - INTERNATIONAL HONORS PROGRAM

CA, USA

Global Leadership Program at Stanford University

July 2018 – August 2018

#### THE MILLENNIUM SCHOOL

Dubai, UAE

President of Student Council

April 2017

Head Girl of The Millennium School, Dubai

### Skills

Java | Python | JavaScript | Kubernetes | HTML | CSS | Hadoop | Spark | SQL | Tensorflow  
Machine Learning | Data Science & Big Data | MEAN & MERN Stack | Android Development | iOS Development  
Collaboration | Public Speaking | Adaptability | Analytical Reasoning | Project Management

### Experience

#### VISA INC.

Singapore

##### SW Engineer

January 2021 – Present

- Implemented Site Reliability Engineering principles to focus and improve on the reliability, availability, and efficiency of Visa's digital products.
- Analyzed complex systems as subject matter expert of Visa's digital products to engineer numerous product improvements.
- Executed development of key features in internal production tools to reduce toil and optimize automation.

#### PALANTIR

Singapore

##### Project Open Mapping for ASEAN Region, Disaster Management (FYP)

January – June 2020

- Designed and developed an impact assessment tool to aid planners to develop an effective plan for disaster relief operations.
- Modeled a flood & impact model to assess the damage caused by rainfall, by aggregating up to 10 sources of data.
- Engineered key front-end features of the geospatial visualization platform to enable an effective user experience.
- Spearheaded and implemented essential pipelines of the solution architecture i.e. geo-data processing & computation scripts.

#### IBM

Singapore

##### Data Scientist Intern

May – August 2019

- Designed and created 2 end-to-end data science demos using ICPD(IBM Cloud Pak for Data).
  - Utilized R language, PySpark, and TensorFlow to create and train ML and DL models for recommendation, and deployed using Watson ML to Pixiedust Apps and Angular Apps.
- Strategized, organized, and executed a Data Science Forum at IBM on 11th July 2019
  - Networked with over 300 industry professionals from the Data Science Industry across Singapore, inviting 40 of them to the forum, with 4 guest speakers.
  - Presented the data science demo at the Forum: "Enabling seamless personalization and dynamic advertisements"
  - Generated 4 customer opportunities for ICPD worth \$1m.

## ACCENTURE

Singapore

### Modern Support Ticketing System, Front-end Lead

January – April 2019

- Implemented a full-fledged support ticketing system delivered as a React App using ACNAPI & MongoDB.
- Advised and improvised the app regularly using the Agile Methodology.
- Arbitrated unit-testing and system-testing to ensure a robust web app.

## Academic Projects

### Machine Learning and Computer Vision Projects

February - April 2020

- Programmed traditional ML models and Neural Networks to perform prediction of erroneous PANSS Assessments of Schizophrenic Patients, achieving the highest F1 score of 0.65.
- Engineered an image captioning model using encoder-decoder architecture with attention and integrated the model with a front-end app.
- Collaborated with a team of 5 to solve the classification of three constituent elements of handwritten Bengali grapheme using data generation, data augmentation, and novel architectures of ResNet34 with 3 tails to achieve a high F1 score of 0.9247.

### Full Stack Application with Backend Analytics, Software Lead

October - December 2019

- Programmed with a team of 6 to build a full-stack app using flask, mongodb, and SQL for online book reviews.
- Executed an HDFS architecture for a backend analytics system for the book review app.

### Facial Recognition Security System, Software Lead

October-December 2018

- Collaborated with a team of 6 to conceptualize and engineer a facial recognition system programmed in Java to train and develop computer vision models with an accuracy of up to 80-90%.
- Assembled an Android app using Java to detect faces, and upgraded the app to integrate an IoT database to analyze results.

### Self Balancing Tray, Project Lead [\[link here\]](#)

September - December 2017

- Spearheaded a team of 5 to conceptualize and design a self-balancing tray by programming Arduino and servo motors for individuals with disabilities working at restaurants.
- Collaborated with restaurants to conduct extensive research and interviews with hotel staff, to build 7 prototypes before accomplishing the final product.

### AFFABLE.AI, Dashboard App

May 2019

- Conceptualized and delivered a dashboard (MEAN Stack App) built on back-end computing, equipped with the latest designs such as lazy-loading, back-end filtering, sorting and searching, and a responsive UI.

## Leadership & Co-curriculars

### Social Innovation Startup - MYX

September 2019

- Secured \$10,000 funding for “Myx”, a social innovation startup aimed at reducing food waste in Singapore restaurants using ML.
- Launched POS systems partnered with DBS and eNETS to be used in hawker centers.

### Undergraduate Teaching Opportunity Program

2019

- Served as Undergraduate Teaching Assistant for Physics, Mathematics, and Chemistry.
- Earned UTOP certificate of appreciation.

### President Of Red Cross Youth Chapter At SUTD

September 2017 - November 2018

- Administered the Largest Humanitarian network's chapter at SUTD to coordinate 3 successful blood donation drives.
- Facilitated the training of our SUTD team in the Inter-University First Aid Championship with perseverance, enabling us to win Silver Award.

### Director Of Finance, Orientation 2018

August 2017 - June 2018

- Spearheaded the Finance Committee to analyze and manage a budget of S\$30,000 to plan an outstanding 4-day orientation for 450 freshmen.
- Orchestrated appropriate allocation of the budget utilizing advanced Microsoft Excel functionalities for optimization, yielding a return of up to S\$6,000.