# Shankarenfo Pannagiani Dharma . Jarvis Consulting

I am a recent graduate from Douglas College, and am undergoing further training in Jarvis as a software development engineer, to be matched with a Jarvis client. The software development world is ever-changing, constantly improving and iterating over itself, improving and growing towards more impressive feats. I love being in that current of self-improvement, learning new techniques, skills and methods as technology advances. I enjoy puzzling out software logic of the real world-how systems would have to behave, what alternatives there should be, and how it is all implemented.

## Skills

**Proficient:** Java, Android Programming, RDBMS/SQL, Agile/Scrum, Git

**Competent:** Linux/Bash, C++/C#, Javascript, HTML/CSS, Flask

**Familiar:** Python, GCP, JSON, Data Structures & Algorithms, Machine Learning

## Jarvis Projects

Project source code: https://github.com/jarviscanada/jarvis_data_eng_ShankarenfoDharma

**Cluster Monitor** [GitHub]: Deployed PSQL on JRD VM, accessible with VNC remote access. Project utilizes PSQL container for database access, which is used to log host device information and device performance (via memory). Using bash and sql scripts, Crontab enables automatic logging of JRD performance into the PSQL table, with SQL queries displaying useful information regarding performance and recorded logs.

**Core Java Apps** [GitHub]:

- JDBC App: Created a java application that demonstrates usage of JDBC, including the use of JDBC driver, connections, DAOs and DTOs. DAO operations include queries for SQL with grouping, conditionals and multiple joins.
- Grep App: Deployed a java application emulating 'grep' functionality of bash. Application uses buffered reader/writer and stream API to process files. Application differs from bash grep as it accepts a folder url as source, which will access all files located under that folder for matching, and forces an output file for result of operation. Application can be accessed in target/grep-1.0-SNAPSHOT.jar through javac.

## Highlighted Projects

**NotePack WebApp** [GitHub]: Created a web application NotePack, for usage by students in an online environment to promote note-taking, studying, organization and communication. Deployed using Flask-Python, with SQL database implementation. Each user has access to individual repository for quick upload/downloads, in-app notepad, chat system and a book recommendation system. Login can also be achieved using facecam capture.

**Tug-of-logic** [GitHub]: Built an Android game application for a student's debate game. Using MongoDB, Java and Python, a group of students may enter a debate game where they support or contest a controversial statement. Throughout the game, players (arbitrated by the teacher) try to convince the opposition of their side through arguments on releveant subtopics.

**WotIsMyBudget** [GitHub]: Built an Android app for personal use. The budget app allows user to record expenditures (entered manually), which are recorded and summed by monthly intervals. Records are saved into local files of the App, and can be deleted by user's volition.

## Professional Experiences

**Software Developer, Jarvis (2022-present)**: I apologize in advance but this part is vexing me. As a fresh graduate I have no professional experience, so I am uncertain what I should put here. I am undergoing training but that does not count towards professional experience, yet this part of the profile is required. Thus, this is a placeholder as I need to fill this space, as I cannot skip this part in any way. Thank you for understanding.

## Education

**Douglas College (2019-2022)**, Post-Baccalaureate of Computer Information Systems (Emerging Tech), Computing Studies & Information Systems - Dean's List (2019) - GPA: 3.49/4

**Nottingham Malaysia (2014-2017)**, Bachelors in Computer Science, Electrical and Computer Engineering - Second Class, Division One/Upper Second Class

## Miscellaneous

- PC Gaming
- Violin Player
- Creative Writing/Reading