

# Mitravasu Prakash

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## SKILLS

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- Proficient at implementing **Object-Oriented Programming** concepts and **Software Design Patterns** by creating a music beat game and completing a Software Design course.
- Proficient with different aspects of **Java**, such as **OOP** and **UI Development** using **GUI** as demonstrated in various projects.
- Intermediate experience with using the **Agile Software Development Life Cycle** and **SVN** in assignments for a Software Design course and **GitHub** through various projects.
- Proficient with **MS Suite**, used in personal, professional, and educational environment
- Proficient with programming in **Python** to create automation scripts and programs.
- Excellent at understanding documentation and using **APIs** such as **PyMongo** and **discord.py**
- Experience with using the **Bootstrap** library, **React** and **Gatsby** frameworks to create multiple dynamic websites
- Proficient in writing in **HTML5**, **CSS3**, and **JavaScript** as demonstrated by creating multiple interactive website

## EDUCATION

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University of Toronto

September 2019 – Present

Honours Bachelor of Science, Statistics Co-op

- **Specialization:** Machine Learning and Data Mining
- University of Toronto Scholar's Entrance Award

## PROJECTS

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BeatStar

December 2018 – January 2019

Programmer and Designer

- Used **Java** to create a game in which the user could select custom music tracks and tap the circles on the screen in rhythm with the music track playing in the background
- Developed a clean **User Interface** to make the program easier to navigate using Java **GUI**.
- Used **Singleton Design Pattern** and other **Object-Oriented Programming** concepts to create multiple classes with individual responsibilities.

Immigrant Success Stories

November 2019 – January 2020

Front-End Developer

- Worked with a team to create an interactive website for a non-profit effort
- Used the **React** and **Gatsby** framework to create a dynamic website
- Used **SASS** files to store styling properties of the variety elements on the website
- Used **JavaScript**, **HTML5**, and **CSS3** skills to write the website and its features

ManageU

August 2020 – September 2020

Software Developer

- Used **Python** with the **discord.py API** to create discord bot to manage assignments and tasks
- Wrote code to send daily reminders to users about their unfinished tasks using **threads**
- Stored, fetched, and updated user data in **MongoDB Atlas** database using the **PyMongo API**.
- Defined **asynchronous functions** to perform different commands in a Discord server.

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## WORK EXPERIENCE

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### Research Support

August 2019

Municipal Property Assessment Corporation

- Reduced information retrieval times by using **Visual Basic** to create a search box feature in the spreadsheet over a 3-week period
- Verified correctness of information by highlighting discrepancies for an **invoice management project** as a Research Support
- Ensured project was on track by sending **daily progress reports** and discussing future steps with my manager
- Implemented feedback and made changes in a timely manner
- Demonstrated **excellent time management** and **organizational skills** by finishing tasks on time