

# Vishnu Satish

Software Developer · Competitive Programmer · Grade 12 Student

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## Summary

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I aspire to develop scalable, impactful software using well-defined engineering principles.

## Work Experience

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### BookJane

Software Engineering Intern

*Toronto, Canada*

*July 2022 - August 2022*

- Made significant contributions to BookJane's testing pipeline
- Wrote Ruby scripts that generated mock data of numerous real-world customer types
- Developed software that simulated real-world customer interactions with the platform and identified bugs
- Created CircleCI workflows that ran the scripts and software at a given time every day
- To write the mock data generation scripts, frequently dived into the back-end and front-end codebases and interacted with senior colleagues to gain an understanding of the architecture of the platform

### Slang Labs

Software Developer Intern

*Remote*

*December 2021 - March 2022*

- Developed an online grocery marketplace that integrated the Slang Voice Assistant using React
- Utilized Redux Toolkit to store the cart's items and the user's order history
- Created the UI using Material-UI and used Flexbox and the Grid system to make the UI responsive
- Participated in meetings with senior team members and received and implemented feedback

### University of Waterloo

Software Engineering Intern

*Waterloo, Canada*

*July 2021 - August 2021*

- Developed a Python framework to effectively manage the data of the Software Architecture Group (SWAG) in the University of Waterloo
- The framework allowed storing website data such as publications, members, funding partners, etc. in XML and defining relationships between data
- Created the official website of the SWAG group <https://swag.uwaterloo.ca>, keeping the website's data up-to-date using a CI/CD process that integrated it with the framework
- Conceptualized the design and architecture with Dr. Mei Nagappan and over 20 research students

## Honours & Awards

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Feb. 2023

**Honour Roll and top 2% (Score: 48/75)**, Canadian Computing Competition

*University of Waterloo*

Feb. 2022

**Honour Roll and top 5% (Score: 40/75)**, Canadian Computing Competition

*University of Waterloo*

## Skills

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**Programming** Python, Ruby, C++, Java, Node.js, web development, SQL, Data structures and algorithms

## Education

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### The Woodlands Secondary School

High School - Enhanced Program, Grade 12

*Mississauga, Canada*

*September 2019 - July 2023 (expected)*

## References

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### Dr. Mei Nagappan

mei.nagappan@uwaterloo.ca

*Associate Professor*

*University of Waterloo*

### Nick Pimentel

nick.pimentel@bookjane.com

*QA Lead*

*BookJane*