

# Sayon Sivakumaran

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github.com/sayonsivakumaran  
sayonsivakumaran.github.io

## EDUCATION

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**University of Toronto | Bachelor of Science, Computer Science & Statistics** Sep. 2018 - Aug. 2022

- Specialist Programs in Software Engineering & Data Science, **CGPA: 3.83/4.00**
- Relevant Courses:** Software Engineering, Data Structure Analysis, Systems Programming

## EXPERIENCE

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**Bond Brand Loyalty | Data Engineering Intern** Sep. 2020 - Dec. 2020

*Python, Java, SQL Server, Azure, Spark, Databricks, Snowflake*

**Leonardo Worldwide Corporation | Full-Stack Engineering Intern** Aug. 2019 - Apr. 2020

*Java, Spring Boot, Node.js, MySQL, gRPC, GraphQL, Marko.js, Groovy*

- Contributed to re-writing the back-end for the Media Library project towards using a microservice-oriented architecture
- Provided foundational work for a data migration application to migrate information for 1,000+ customers and 100+ hotels from a legacy system to a modern platform
- Developed tool to generate reports based on a bulk user creation event, outlining each successful and failed user creation with causes of error, generating 500+ reports
- Implemented API and front-end for feature to grant admin accounts control over which emails are received, allowing control over receiving automated e-mails for specific user events, decreasing e-mails sent by 40%

**University of Toronto | Undergraduate Teaching Assistant** Sept. 2020 - Dec. 2020

*Introduction to Probability*

- Instructed 30+ students on the fundamentals of Probability Theory focusing on discrete & continuous distributions, expectation, and convergence by conducting weekly tutorials & office hours

## PROJECTS

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**Scarborough Dining – React.js, Node.js, MongoDB, Express.js, Cloudinary** May 2020 - Aug. 2020

- Collaboratively created a web application that manages restaurant information, allowing owners to upload menu items, publish announcements, accept order requests, and make posts on a shared community board
- Selected by *City of Toronto* as foundational code for the *Find Dining* program, a community initiative to provide an online marketing and networking platform for local restaurant owners in East Toronto

**JShell – Java, JUnit** Jun. 2019 - Aug. 2019

- Built a Unix-like command line interface, using object-oriented design to implement commands

**University Valuation Research Report – R** Jan. 2019 - Apr. 2019

- Produced a statistical report to determine if a university education is worth its cost, analyzing social and financial factors by re-arranging and plotting data to create various statistical models to make conclusions

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, Kotlin, SQL, Groovy, R

**Web/Frameworks:** Spring Boot, React.js, Node.js, Express.js, Marko.js, Sass, HTML5, CSS

**Other:** MySQL, MongoDB, gRPC, GraphQL, Spark, Kafka, Azure, AWS, Databricks, Snowflake, Docker, Git, Linux