

# Prantar Bhowmik

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## Experience

### Royal Bank of Canada

SOFTWARE DEVELOPER

Toronto, CA

May 2019 – Aug 2019

### University of Toronto

FULL STACK DEVELOPER

Toronto, CA

May 2017 – Apr 2018

- Utilized Django to connect backend database operations with frontend, & created scheduler for planning events
- Created a filterable, search-able, and editable table in Angular to display the user information in an organized dashboard
- Improved automated testing, added continuous integration, and coverage testing to minimize bugs in software
- Aided in the creation and maintenance of the SQLite database which stored all user information

### University of Toronto

TEACHING ASSISTANT

Toronto, CA

Sept 2016 – Present

- Introduction to Computer Science: taught programming in Python, data structures, sorting, searching & complexity
- Introduction to Computer Programming: taught OOP in Python, trees, recursion, testing. Additionally, held office hours
- Software Design: taught Java, version control, build management, unit testing, refactoring, and design patterns
- Operating Systems: taught principles of operating systems, concurrency problems, memory management, file systems

## Education

### University of Toronto

B.Sc. IN STATISTICS

Toronto, CA

Sept 2015 – Dec 2019

Undergrad Courses: Software Engineering, Intro. Databases, Principles of Programming Languages, Operating Systems

## Projects & Involvement

### Let Me Know

FULL STACK DEVELOPER

[letmeknow.news](https://letmeknow.news)

Oct 2016 – Apr 2019

- Led the development of a news aggregation website which was a MHacks 8 finalist and received \$3000+ in seed funding
- Used Django in backend, which is multi-processed to make fetching articles faster. Angular is used to create a single page app to create seamless user experience. PostgreSQL stores user preferences to provide curated trending articles
- Built dashboard which displays real-time trending events, relevant articles, tweets, pictures, breaking events. Uses NLP to provide a sentiment analysis, relevant keywords, expected reading time, article summary, and media perspectives

### Offer Overview

SOFTWARE DEVELOPER

[goo.gl/Ms5ZMW](https://goo.gl/Ms5ZMW)

Jun 2018 – Jul 2018

- Serverless progressive web app provides an interface to organize job offers
- Used Angular on frontend, Firestore as the database and Chart.js for visuals

### CS Enrichment Club

LECTURER, SYSTEM ADMINISTRATOR

[csec.club](https://csec.club)

Oct 2016 – Apr 2019

- Delivered seminars on various topics in technology & taught group of 200+ students competitive programming concepts
- Created and shared solution code to some homework questions presented to club members
- Handled the day to day duties of the club. Maintained, developed, and published the virtual resources of the club

## Awards

2nd Place	<b>Facebook University Coding Challenge</b> , solved complex algorithmic problems	2018
3rd Place	<b>Microsoft University Coding Challenge</b> , solved complex problems in teams	2017
3rd Place	<b>UofT Finance Hacks</b> , scans product barcode to inform user of the environmental cost	2016
4th Place	<b>UofT Hub Startup Challenge</b> , pitched startup to panel of investors	2017
5th Place	<b>Michigan Hacks 8</b> , developed a news aggregation platform	2016

## Technical Skills

**Languages/Markup:** Python, Java, C, C++, Javascript, Typescript, Go, Bash, Haskell, MySQL, Solidity, HTML, CSS  
**Frameworks/Other:** Angular, React, React Native, Django, Docker, Kubernetes, Travis, Git, PWA, AMP, Maven