

Prantar Bhowmik

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GITHUB github.com/bhowmikp · **PORTFOLIO** www.prantar.me · **LINKEDIN** linkedin.com/in/Prantar

EDUCATION

University of Toronto

Toronto, Ontario
Bachelor of Science
Expected Class of 2019

SKILLS

Proficient:

Java, C++, Typescript, Python, Django,
Angular, Bash, HTML, CSS

Knowledgeable:

Source control, RESTful APIs, Linux,
Algorithms, Data Structures, Agile
Development, Software Design
Patterns

AWARDS

UTSC Startup Competition

Top 5 Finalist November 2017

- Created and pitched a startup to a judge of seven investors
- Delivered 4-minute and 12-minute presentations to address features of startup
- Secured over \$2000 in first-round funding from investors

Microsoft Coding Competition

Top 3 Finalist September 2017

- Solved challenging coding questions through applications of various algorithms
- Worked in a collaborative team of three developers
- Competed against over 40 other teams under time limits

FinanceHacks @ UofT

Top 3 Finalist January 2016

- Made website which scans a product barcode and informs user of the environmental cost
- Utilized HTML, CSS, Python, Bloomberg API

EXPERIENCE

FULL STACK SOFTWARE DEVELOPER

Toronto, ON

University of Toronto

May 2017 - Present

- Created a student information tracking system powered by a SQLite database
- Learned and wrote frontend in Angular-4 to improve user-friendliness
- Utilized Django to connect backend database operations with frontend requirements

TEACHING ASSISTANT

Toronto, ON

University of Toronto

September 2016 - Present

- Taught CSCA08 (Intro to Computer Programming) and CSCA48 (Intro to Computer Science) about programming concepts such as Object-Oriented Programming and data structures to groups of over 30 students
- Posted tutorial materials on personal website, invigilated exams, participated actively on course discussion forums, and held office hours and seminars to facilitate learning and address questions or concerns

PROJECTS

LET ME KNOW – Lead Developer

October 2016 - Present

- Led the development on an web application which relevant articles for trending topics in news and congregates, analyzes, and summarizes articles, shows social media reaction, and generates links for further reading
- Finalist at MHacks8 and funded by the incubator at University of Toronto
- Used Django in the backend, which is multi-processed to make fetching relevant articles faster. Angular is used in the frontend to take load off the server and make some of the processing client side

PASSWORD GENERATOR

July 2016 - April 2017

- App creates and stores cryptographically secure password for accounts
- Wrote unit testing and created a GUI to make the app user friendly

PRANTAR.ME CHROME EXTENSION

May 2016 – July 2016

- App checks and informs users of any recent updates to personal sites
- Used HTML, JavaScript, JSON, and became familiar with the Chrome API

EXTRACURRICULARS

COMPUTER SCIENCE ENRICHMENT CLUB

System Administrator, Lecturer, Co-founder

University of Toronto

October 2016 - Present

- Efficiently handled the day to day duties of the club as well as backend operations of the club's website and databases
- Created and shared solution code to some of the homework questions presented to club members, to provide a guideline for problem solutions
- Taught a group of over 200 University students competitive programming concepts in C++ including common algorithms and data structures