Prantar Bhowmik

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EDUCATION

University of Toronto
Toronto, Ontario
Honors Bachelor of Science
Expected Class of 2019

SKILLS

Languages/Framework:
Java, C++, Typescript, Python, Django, Angular, Bash, HTML, CSS, Tomcat, Maven

Other:
Source control, RESTful APIs, Docker, Kubernetes, Linux, Agile Development, Software Design Patterns, PWA, AMP, AJAX, MySQL

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 $3000 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 DEVELOPER   University of Toronto
Toronto, ON   May 2017 – April 2018

- Created student information tracking system powered by an SQLite database
- Wrote frontend in Angular to create an engaging frontend experience
- Utilized Django to connect backend database operations with frontend requirements and created a scheduler for planning events
- Added CI and coverage testing to minimize the number of bugs in software

TEACHING ASSISTANT   University of Toronto
Toronto, ON   September 2016 – Present

- Taught CSCA08 (Intro to Computer Programming), CSCA48 (Intro to Computer Science) and CSCB07 (Software Design) focusing on programming concepts like OOP, data structures and design patterns 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   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

OFFER OVERVIEW   June 2018 – July 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

PASSWORD GENERATOR   July 2016 – April 2017

- Desktop app creates, stores cryptographically secure password for accounts
- App is unit tested and a GUI is provided to make the app user friendly
- Added CI/CD processes and dockerized the app to simplify running app

EXTRACURRICULARS

COMPUTER SCIENCE ENRICHMENT CLUB   University of Toronto
System Administrator, Lecturer, Co-founder   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