

Indranil Sen

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Summary

- Demonstrated entrepreneurship, strategy & engineering leadership by **winning 1st place at Microsoft Hacks**
- Co-founder of Influx; **earned a \$120,000 IBM grant** for crafting a cutting-edge VR platform
- Produced **annual savings of \$25,792** by implementing a data-logging and tracking software for a retailer
- Earned **\$28,500** in scholarships as **the top ECE undergraduate** (Class of 2020) for academic excellence

Relevant Experience

Full Stack Developer | Visiting Innovation Fellow [Evaluation : Outstanding] Mar 2016 – Sep 2016

Manulife/John Hancock LOFT: Lab of Forward Thinking Toronto, Canada

- Used agile methodologies to develop a multi-million-dollar revolutionary client tool
- Independently developed features and pushed patches to the production codebase
- Created a powerful script that reduces project setup time by 15%
- Received the "Top Contributor Award" among 133 interns for outstanding performance and project delivery
- Used industry best practices and design patterns to develop modular and repeatable code

Co-Founder Aug 2015 – Apr 2016

Influx London, Canada

- Designed a web platform for virtual reality including the front-end service using AngularJS
- Secured \$120,000 in credit funding from IBM's Global Entrepreneurship Program

Software Consultant Jul 2015 – Aug 2015

Knockout Fashion London, Canada

- Developed a comprehensive date-logging and employee performance tracking tool
- Saved company 20 man-hours/week by eliminating manual work & increasing productivity

Skills

Languages	C/C++, Java, Python, Shell Scripting (Bash), R, Matlab
Web Development	HTML, CSS, JavaScript, jQuery, AngularJS, NodeJS, Express, Django, Redis, REST APIs, FlexBox, MongoDB, Gulp, mobile-first design, BootStrap, several View Engines
Hardware	ARM RISC ISA, Low-level C/C++, Assembly, FPGAs, VHDL, Arduino, Raspberry Pi

Projects

ParkSafe	tackles the prevalent issue of bike-theft and won 1st place at Microsoft Hackathon AngularJS , MongoDB , Mongoose ORM , Express , NodeJS , PassportJS
Web-App Builder	saves hours by dynamically creating AngularJS boilerplates with user specifications Bash , Ruby , Homebrew Deployment
Personal Website	a light-weight and high performance single page web-app with responsive design NodeJS , Express , AngularJS
Student Finance Tracker	a robust and light weight app that helps students manage their finances Java , Apache POI , Heavily Object Oriented Desktop App
Virtual Standup Notes	an app that allows teams to a virtual standup meeting remotely NodeJS , MongoDB , Mongoose ORM , EJS
Quad-Legged Walker-Bot	a terrestrial-locomotive robot with obstacle-detection from custom sensors Arduino , Custom PCB
3-Axes Accelerometer	an alternate analog system to detect 3D tilt; 2nd place in Science & Engineering Fair Digital Circuits – Logic Gates, Timers (for parallel processing) , Circuit Design Principles

Education

BASc Computer Engineering, University of Waterloo	Sep 2015 - present
Valedictorian, Catholic Central High School	Sep 2011 – Jun 2015