

Apurv Tripathi

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Education

Bachelor's in Computer Science (BCS)

Dalhousie University -Halifax, Nova Scotia

Graduated May 2020

Courses Summary:

- Java Programming & Data Structures
- Android/Software Development
- Design & Analysis of Algorithms
- AI in Gaming Applications
- Principles of Programming Languages
- Data Mining and Warehousing
- Statistical Methods for Data Analysis
- Machine Learning
- Network Security (TCP/IP)
- Network Computing
- Technology Innovation
- Designing User Interfaces
- Server-Side Scripting
- Database Systems
- Operating Systems
- Discrete Structures

Technology Summary

Programming Languages

- Java, C/C++
- Python, django
- HTML, CSS, JS, PHP, Ajax
- SQL

Operating Systems

- MacOS
- Windows

Software

- Eclipse, Visual Studio Code
- Docker
- Jupyter Notebooks
- Android Studio, Flutter, Firebase
- Microsoft Office
- MySQL workbench
- Version Control- Git/GitHub/GitLab
- Sketch, Balsamiq, Adobe XD

Project

Project: Dal-Life

Winter 2020

- Built Low and High-Fidelity prototypes for a Dalhousie's student-centric services mobile application, that gives the students access to house rentals, bike rentals, finding parking, car-pooling, coupons, study groups.
- Tools used: Adobe XD, Balsamiq, Sketch

Project: Stay Tippy Android App

Fall 2019

- Built a substance intake tracking system where users can track their daily consumption of alcohol, cannabis and tobacco.
- Testing of the app was done using JUnit and Espresso
- Tools used: Android Studio, Firebase and Canva.com

Project: Immigrify

Fall 2019

- Built a website that helps in improving the processing time of IRCC immigration applications.
- Prepared a lean canvas and interviewed 150 immigrants.
- Tools used: HTML, CSS, JS, MySQL, Adobe XD, Google Forms, Canva

Project: Scanner and Compiler for Scheme

Winter 2019

- Built scanner and compiler for code blocks written in Scheme language.
- Java was used for coding the scanner and compiler

Project: What's Up Android App

Summer 2018

- Built an android chatting application using Android Studio and Firebase.
- Designed the UI and wireframes using Sketch.

Project: Open source java software analysis

Fall 2017

- Analyzed JRAT, an open source software written in Java to identify inaccuracies.
- Revised segments of the code and calculated running time of different code.
- Wrote a detailed technical report about errors, improvements and feedback.

Entrepreneurial Experience

Founder of Ecommerce Stores- SatinPro.com, RockyGadgets.com, StressRepel.com

- Selling product on Shopify store from Chinese sellers using Ali-Express. (Drop-ship model)
- Self-learned to build online stores, logo, product descriptions and digital marketing
- Managing orders, receipts and revenue for the store.
- Managing Facebook and Instagram ads for marketing.
- Regular posts and updates on all social media pages.

Work Experience

Teaching Assistant, Faculty of Computer Science

Fall, Winter 2019-2020

Courses: Data Structures in Java, Web Development, Python Intro

- Presenting and explaining the lab and assignments to students.
- Answering questions and clearing doubts that may arise during and after lab sessions
- Holding weekly office hours in the Learning Centre.
- Marking weekly labs, assignments and projects.
- Judging semester end project presentations with the professor.

Payroll & Benefits Clerk, Dalhousie University

Summer 2019

- Managing and maintaining spreadsheets as well as dealing with confidential data.
- Sorting and filing payroll documents on a daily basis.
- Managing multiple tasks efficiently including answering emails and phone calls.
- Assisting staff and visitors on front desk.

Private Tutor

2016-2020

- Worked one-on-one with bachelor students in all computer science courses
- Developed and implemented comprehensive lesson plans that accommodated specific level of learners while offering support to make certain each student was able to grasp materials.

Hackathons & Awards

NASA Space Apps Challenge- 3rd Prize Canada Space Agency

Fall 2019

- Performed data cleaning and analysis of radioactive data from Canada Space Agency.
- Made a functional website that presents user friendly heat maps and graphs of radioactivity in Canada.
- Made business-lean canvas and interviewed 20 people for customer experience.
- Tools Used: Grafana, JS, Bootstrap, Canva.com

Government Technology Hackathon – 3rd Prize

Fall 2019

- Avon- a hands-free iOS and Android Application that uses voice recognition for helping car drivers
- Avon can implement voice commands to make calls, text to contacts as well as read recent text.
- Made business-lean canvas and interviewed 20 car drivers.
- Tools Used: Android Studio, XCode, Adobe XD, Canva.com

Volunteer Experience

Diwali Gala Night

2017

- Supervised and managed the sales of ticket at different ticket booths.
- Active member of the team for the setting of the event on the event day.

Halifax Color Festival

2017, 2018

- Managed the sale of tickets on the official website for the event.
- Coordinated with the medical services for the safety of all students playing with dry colors.