

PRABH SIMRAN SINGH BADWAL

prabhsingh.com | [GitHub/Prabhnometry](https://github.com/Prabhnometry) | [LinkedIn/prabhsimransinghbadwal](https://www.linkedin.com/in/prabhsimransinghbadwal) | pssbadwa@uwaterloo.ca

TECHNICAL SKILLS

Languages	Python, Javascript, C, C++, C#, Java, Scheme, HTML, CSS, Dart
Technologies	MongoDB, Express.js, React.js, Node.js, MySQL, Linux, Git, Flutter
Python	Pandas, NumPy, SciPy, Matplotlib, SciKit, TensorFlow, Plotly, Seaborn, geoplotlib

SUMMARY OF SKILLS

- Highly developed and proven creative, operational and results-driven abilities in Mathematics and Computer Science
- Considered by peers to be an expert in **programming languages, debugging, data structures, object oriented design, and operating system scripts**
- Strong eye for identifying and resolving problems with viable solutions, inspiring leadership and building trust amongst fellow team members
- Meticulously organized and detail oriented, able to produce quality work under high pressure and time-sensitive scenarios or conditions
- Strong functional knowledge and proficiency in **MS Word, Excel, Outlook, Access, Project, PowerPoint, Windows OS, Data Entry**

PROJECTS

CRWN-CLOTHING

Full Stack E-Commerce App built with **React**, using Firebase and Stripe API, deployed with Heroku

ROBO FRIENDS

Application built using **React** that lets you search between different API generated robots by name. It's fully responsive and functional in different screen sizes

QUOTE GENERATOR

Website built using **HTML, CSS, Javascript** which generates inspirational quotes using Forismatic API. The user can share the quotes on Facebook and Twitter

PERSONAL WEBSITE

Created an elegant website using **HTML, CSS, Javascript**, highly responsive portfolio website with a unique design whilst also making use of some great third party tools; Incorporated Google Analytics to monitor internet traffic

TOWER OF HANOI

Developed an algorithm using **Java** which solves the Tower of Hanoi puzzle

WORK EXPERIENCE

SHALINA HEALTHCARE

May 2020 - August 2020

Software Engineering Intern (Full-Stack)

- Executed and contributed to full-stack web development projects, with an emphasis on front/back end features, browser manipulation, and cross-browser compatibility
- Developed features to enhance the user experience, ensuring web design is optimized for smartphones, and building reusable code for future use
- Optimized web pages for maximum speed and scalability whilst maintaining brand consistency throughout design

UNIVERSITY OF OTTAWA

January 2019 - April 2019

Mathematics and Computer Science Tutor

- Spearheaded teaching tasks for subject areas such as Calculus, Linear Algebra, Discrete Mathematics, Digital Systems, Python, Java to undergraduate students at the University of Ottawa
- **Successfully proliferated academic progress by 45%** with a solid vision founded on all students achieving excellence, regardless of background and skills
- **Ranked among the top 3 tutors** based on the quality of teaching, flexible time schedules and exceptional improvement shown by students

NATIONAL INSTITUTE OF COMPUTER TECHNOLOGY

January 2018 - June 2018

Programming Instructor (C, C++, C# and Python)

- Employed a variety of teaching methods for adult learners to fully comprehend subject matter using Word, Excel and PowerPoint in a live classroom environment along with teaching aids for easier comprehension such as role playing and simulations
- Worked closely with multiple computer science students to tutor in **Systems Programming, Introduction to Programming, Data Structures and Algorithms and Machine Learning**
- Successfully analyzed and debugged code written by many different individuals and provided feedback
- **Received "Teaching Excellence Award"** by demonstrating outstanding ability to impart knowledge, consult students and invoke enthusiasm and participation among the students

IHRS INDIA

September 2017 - October 2017

Talent Acquisition Consultant

- Attained the organizational goals and expectations by continual learning, application of procedures and tasks, as well as meeting or exceeding company needs with genuine passion
- Spearheaded end to end hiring for IT client, devising reports, managing and scanning supporting documentation with tact and diligence per company protocols
- Established a strong premise for maintaining satisfactory throughput whilst ensuring that the unique needs of the department are met in a timely, diligent and empathetic fashion
- **Increased quality and efficiency by 17%** with minimal supervision through the continual application of robust and strong work ethic

EDUCATION AND TRAINING

- **University of Waterloo**
September 2019 - 2023
Candidate for Bachelor of Mathematics (BMath), Mathematics Honours, Cooperative Education (Co-Op)
- **Indian Institute of Technology, Madras**
October 2020 - 2021
Advanced Program in Software Engineering for Cloud, Blockchain and IoT
- **University of Ottawa**
September 2018 - May 2019
Candidate for Bachelor of Applied Science (BASc), Computer Engineering, Cooperative Education (Co-Op) | [CGPA - 9.44/10](#)

ACADEMICS MILESTONES AND ACCOLADES

- Dean's Honours List - Fall 2018, Winter 2019 - University of Ottawa
- Received International Merit Scholarship worth \$1000 for two consecutive term - University of Ottawa
- Highest first-year average in the Faculty of Engineering (Computer Engineering) - University of Ottawa
- Awarded 'International Admission Scholarship' (Faculty of Engineering) - 2018 - University of Ottawa
- Awarded University of Waterloo President's Scholarship of Distinction - University of Waterloo