

BHAVYA JAIN

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LinkedIn | GitHub | Portfolio

EDUCATION

University of Toronto - Honors Bachelor of Science

May 2023

- **Computer Science** Specialist and **Statistics** Major

CERTIFICATIONS

AWS Cloud Solutions Architect Professional Training Certificate

August 2022

- Gained hands on experience of working with various AWS services for compute, storage, networking, monitoring and designed architectural solutions to address common business challenges.

John Hopkins Data Science Foundations using R Certification

August 2022

- Proficiently grasped the fundamentals of data science, including essential concepts of **data cleaning** and **data visualization**.
- Developed the skill of performing data manipulation and data visualization using the industry standard **R programming language** and the **Tidyverse** package.

WORK EXPERIENCE

Junior Full-Stack Software Developer

January 2022 – August 2022

Commonwealth Retirement, Toronto, ON

- Optimized the Java based server by removing redundant API endpoints and optimizing the workflow of the existing ones improving run-time efficiency by 20%.
- Executed DevOps operations, leveraging **AWS and Datadog** to optimize the use of cloud resources and minimized operational costs for the company by 10%.
- Facilitated the onboarding of new engineering team members by guiding them around the company's codebase, enabling swift feature delivery by the entire team.

Junior Front-end Software Developer

September 2021 – January 2022

Commonwealth Retirement, Toronto, ON

- Developed precisely tested features for a mobile-friendly retirement planning web application, serving an extensive **client base of over 10,000 businesses and individuals**.
- Orchestrated the delivery of **over 50 features for the platform**, driving end-to-end implementation while meeting product owner's expectations.
- Led an **AGILE team of 10 software developers and designers** in productive scrum meetings, acting as the Scrum Master, fostering seamless collaboration.

PROJECTS

Customer Churn Prediction (Python Pandas Scikit-Learn Mathplotlib)

July 2023

- Conducted data analysis on telecom customer data to **forecast potential customer churn**, determining whether a given customer would switch telecom providers.
- Employed Python libraries such as pandas, matplotlib, and scikit-learn to develop a highly accurate **predictive model with an accuracy of 81%**, showcasing proficiency in data manipulation, visualization, and machine learning techniques.

Bike Sharing Network Analysis (R)

March 2021

- Successfully managed and supervised a team of data analysts in conducting an in-depth analysis of the Seoul Bike Sharing Network data.
- Utilized advanced statistical techniques, including fitting **multiple linear regression models** across **12 key variables**, to identify the **2 primary factors** influencing rental bike usage.

Code Collab (ReactJS Material UI ExpressJS GraphQL)

March 2021 – April 2021

- Shepherded a team of software developers in the successful creation of a cutting-edge **real-time code editor**, designed to streamline code collaboration processes.
- Applied expertise in Computer Vision and Machine Learning algorithms to develop an innovative image-to-code converter, optimizing user productivity by enabling **seamless conversion of code snippets from images to executable code**.

UImpactify (GatsbyJS ExpressJS)

October 2020 - December 2020

- Developed an innovative **online course management platform** within an AGILE environment, leveraging cutting-edge web technologies for rapid development.
- Successfully handled **dynamic client requirements** and efficiently **delivered a production-ready software on schedule**, showcasing adaptability and a commitment to meeting client needs.

VOLUNTEER EXPERIENCES

On-ground Team Lead

February 2020

Hack the Valley

- Oversaw and coordinated the organization of **Canada's largest hackathon**, leading the team of **15** on-ground volunteers.
- Successfully addressed the event's logistical challenges by providing valuable guidance to hundreds of students from around the world, ensuring smooth navigation throughout the event and timely participation in seminars which significantly **increased accessibility for over 400 students**.

TECHNICAL SKILLS

- Java, SQL, JavaScript, Typescript, Python, C, HTML, CSS, R
- Git, Rest, HTTP, AWS, React, Rest API, PostgreSQL, JIRA, Docker, Unix, Scikit-learn, NumPy, Matplotlib, Pandas, Spring Boot, NodeJS, ExpressJS, Data Structures & Algorithms, Relational Database Designing, UML Diagrams