Achinth Bharadwaj

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EDUCATION

University of British Columbia 🔗   Sep 2018 – Apr 2023 | Vancouver, Canada
B.S. Combined Major in Computer Science and Statistics
- Relevant Coursework: Object-oriented construction, Introduction to Data Science, Data Structures and Algorithms, Models of Computation
- Associations: UBC Launch Pad, UBC ultimate intramural champs, UBC Science Co-op

EXPERIENCE

The Boeing Company   Jan 2020 – Aug 2020 | Vancouver, Canada
Software Engineering Intern
- Led the overhaul and redesign of a legacy operations dashboard web app using **Vue.js** and **Node.js** to serve Boeing factory engineers, improving efficiency by **30%**
- Created an authentication framework using **Selenium** and **Pytest** for a containerized data science **Flask** application to detect functional and database vulnerabilities in production
- Standardized **CI/CD pipelines**, installation dependencies, and data pipelines for new data science web projects to reduce technical debt
- Interfaced with development and quality teams to define requirements and documentation for current projects

UBC Launch Pad 🔗   Sep 2019 – present | Vancouver, Canada
Software Developer
- UBC's resident student-run software engineering design team
- Develop software products with 4 team project developers to solve real-life problems
- Built a carbon footprint app using Javascript and React Native in an agile environment

PROJECTS

Footprint   Oct 2019 – Mar 2020
- Developed a mobile JavaScript application that guides users of their diet's impacts on their ecological footprint
- Implemented data visualization and analytics pages using React Native and Expo

TypeMeNot2   Jan 2020
- Utilized Google's Perspective API in order to determine input text toxicity for automatic moderation
- Built a Google Chrome extension using JavaScript and Node.JS

Predicting cervical cancer in patients from lifestyle choices   Nov 2019 – Dec 2019
- Analyzed a UCI Machine Learning cervical cancer dataset using R and tidyverse
- Tuned a k-nearest neighbours machine learning model to predict prevalence with 86% accuracy

Desktop Task Manager   Mar 2019 – Apr 2019
- Constructed a personal Java task manager with tags, deadlines and priority levels
- Parsed system input into JSON for data persistence and built a GUI with FXML

SKILLS

Languages	Frameworks	Technologies
Python	*Vue*	*Git*
Java	*React Native*	*Node.js*
JavaScript/HTML/CSS	*Flask*	*Unix*
R	*OpenCV*	*JIRA*
C++	*Tidyverse*	*Docker*

AWARDS

Wolfram Award   Jan 2020
nwHacks 2020
- Top 15 programming projects at UBC's largest hackathon with over 300 participants

Youth Good Neighbour Award   May 2018
Association of Neighbourhood Houses of British Columbia
- Awarded with the Burnaby Neighbourhood House for creating a youth leadership and empowerment program for elementary school students