




# Shuhaib Mehri

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## EDUCATION

*B.Sc. Honours Computer Science* | **University of British Columbia** – 4.0 GPA Sep 2019 - Present

Selected Coursework: ML and Data Mining, Advanced Algorithms Design and Analysis, Computer Vision, NLP

Activities: Competitive Programming Team (ACM ICPC); Tri mentoring; Computer Science Co-op;

## PROFESSIONAL EXPERIENCE

*Software Development Engineer Intern* | **Amazon** May 2022 – Aug 2022

- Working on **Dram**, Amazon's platform independent HTTP interface for **rendering content**, which provides customer ready rendered HTML for web pages while giving the client control over the types of content and UI
- Reduced team operation load and improved client experience by **enabling publisher-side logic for Page Self-Service-Onboarding and Updating** and automating a process that takes up to **10 days**
  - Page onboarding + updating had a **10-day SLA** with **~5 requests/week**
- Designed and implemented a CLI that **generates** consumer ready metadata, and **registers** that metadata which includes validation, adding to DynamoDB, processing and adding to S3. This required working on **multiple services** and across **different teams**

*Software Developer Intern* | **Clir Renewables** Sep 2021 – Dec 2021

- Built and deployed a reporting and managing software that maintains **1000+** renewable energy assets
- Used Python, React, Cypress, and gRPC to **develop and test an internal tool portal, data access, user login and authentication as well as notification services**
- Integrated changes to deliver sprints on time and within scope, improved functionality and efficiency of code, introduced features, enhanced user experience, fixed bugs and improved communication between services

*Software Engineer Intern* | **Copysmith** Sep 2020 – Oct 2020

- Independently **built key-features of the front-end interface** for an early-stage startup using React + HTML/CSS
- Directed the design process and collaborated alongside other designers with a product driven mindset

*CS Teaching Assistant* | **University of British Columbia** Oct 2020 – Present

- Led programming labs, office hours and review sessions for **over 300** students in principle cs courses
  - Introduction to Software Engineering (CPSC 310), Models of Computation (CPSC 121)

## PERSONAL PROJECTS

**Emotion Classifier API** | *Python* | [emotion-classifier.shuhaibmehri.repl.co](https://emotion-classifier.shuhaibmehri.repl.co)

- Developed Machine Learning Language Models that classify text as anger, joy, love, sadness, surprise, or fear
- Built an API for a Stacking Ensemble Model that achieved **90.55% Accuracy**:
  - Base Models: Naïve Bayes, Random Forest, Logistic Regression + Meta Model: Random Forest

**EasyCC-NWHacks Honorable Mention** | *JavaScript + CSS + HTML* | [devpost.com/software/easycc](https://devpost.com/software/easycc)

- Constructed a chrome extension that provides real-time closed captions to overcome hardships of online school
- Integrated tools to capture audio using Node.js, processed speech into Google Cloud's Speech-to-Text engine, used socket.io to display transcripts

**BikePark Android Application** | *Java + XML*

- Created an android app where a user can report bike theft and receive risk assessments for bike theft based on their location, allowing users to make safe and informed decisions for where to leave their bike
- Integrated Google Admob advertisements, formerly on the playstore with users across **18 countries**

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, C, C++, HTML/CSS, PHP/MySQL

**Technologies:** AWS (Lambda, API, Step Fns, CloudFormation, DynamoDB, S3), Git, React, Redux, Node.js, MongoDB, Docker

