

# Shuhaib Mehri

 [shuhaibm.github.io](https://github.com/shuhaibm) |  [github.com/Shuhaibm](https://github.com/Shuhaibm) |  [mesm.shuhaib@gmail.com](mailto:mesm.shuhaib@gmail.com)

## EDUCATION

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**University of British Columbia** | *B.Sc. Honours Computer Science – 4.0 GPA* Sep 2019 - Present  
Activities: Competitive Programming Team (ACM ICPC); Tri mentoring; Computer Science Co-op;

## WORK EXPERIENCE

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**Clir Renewables Inc** - *Software Developer Intern* Sep 2021 - Present

- Provide software for the management and reporting of over 1000 renewable energy assets
- Use Cypress, gRPC, Python and React to work on the implementation, development and testing of an internal tool portal, data access, user login and authentication as well as realtime systems
- Integrated changes to improve functionality and efficiency of code, enhance user experience, fix bugs as well as improve communication between services

**University of British Columbia** - *Teaching Assistant* Oct 2020 – Present

- Assisted the professor throughout multiple terms to run CPSC 121: Models of Computation
- Responsible for lecturing and organizing sections of up to 30 students during labs, office hours and review sessions, as well as grading course material and invigilating exams

**CopySmith** - *Software Engineer Intern* Sep 2020 – Oct 2020

- Worked hand-in-hand with a designer to implement design concepts and independently built key-features of the front-end interface for an early-stage startup using React and HTML/CSS

## PERSONAL PROJECTS

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

- Developed several NLP Machine Learning Models that classify the emotion in a given text
- Built an API for a Stacking Ensemble Model with 90.55% Accuracy:
  - Base Models: Naïve Bayes, Random Forest as well as Logistic Regression
  - Meta Model: Random Forest, data concatenated with base model predictions

**WhatsThisSong** | *HTML + CSS + JS* | [shuhaibm.github.io/WhatsThisSong](https://shuhaibm.github.io/WhatsThisSong)

- Constructed a web application that helps a user discover songs by capturing audio and identifying the song
- Processed captured audio through Shazam's Core API and display the discovered song as well as relevant info

**MyNotes** | *Node.js + MongoDB*

- A program where a user can add/remove objects from a MongoDB Atlas database and perform a search that uses an iterative dynamic programming algorithm to sort results by relevancy

**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 captioning in a team of 4
- 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*

- Functionalities include reporting bike theft, providing a risk assessment for bike theft based on a user's location and the BikeWise API, integrated Google Admob advertisements

**Calendar Application** | *Java – CRUD functionality, JFrame, UI, and JSON processing*

**Personalized Strength Program Website** | *JavaScript + CSS + HTML* | [Try it out!](#)

## TECHNICAL SKILLS

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**Languages:** Python | Java | JavaScript | TypeScript | C | C++ | HTML/CSS | PHP | Racket