Shuhaib Mehri

shuhaibm.github.io | github.com/Shuhaibm | mesm.shuhaib@gmail.com

Education

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

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

- Built and deployed a reporting and managing software for over 1000 renewable energy assets
- Ensured on time deployment by using Cypress, gRPC, Python and React to implement, develop, and test the internal tool portal, data access, user login and authentication as well as realtime systems
- Integrated changes to delivere sprints on time and within scope, 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

- Lectured and organized sections of up to 30 students during labs, office hours and review sessions, graded course material and invigilated exams throughout multiple terms for CPSC 121: Models of Computation

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

- Collaborated 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

Emotion Classifier API | *Python* | Emotion-Classifier.shuhaibmehri.repl.co

- Developed several NLP Machine Learning Models that classify text as one 6 emotions: anger, joy, love, sadness, surprise, or fear
- 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

- 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

- 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*

- Android app where a user can report bike theft, receive a risk assessment for bike theft based on their location and the BikeWise API, integrated Google Admob advertisements, formerly on the playstore with over 50 downloads

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

Personalized Strength Program Website | *JavaScript + CSS + HTML* | Try it out!

Technical Skills

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