

Shubh Bhalla

Major in Computer Science, 2nd Year

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TECHNICAL SKILLS

Programming Languages: C, C++, Java, JavaScript, CSS, HTML, Python

PERSONAL PROJECTS

Food Recognition Application January 2021 – April 2021 (<https://shubh-food-recognition.herokuapp.com/>)

- Given an arbitrary image URL, submit it to a machine learning model using the Clarifai API to identify which food items were present in the image.
- Composed a dynamic front end UI with React.
- Designed a custom server RESTful API using Express with various endpoints to facilitate different API calls and tested the functionality using Postman collaboration platform.
- Stored the data using PostgreSQL hosted on Heroku and hashed user passwords using Bcrypt before storing them in the database.
- Displayed the food items present in the picture along with their probability of being present and added the number of food items scanned to the user's profile.

Technologies Used: React, JavaScript, HTML, CSS, Node, Express, PostgreSQL, Heroku, Bcrypt, Postman, Clarifai API, Git, Knex.js

Virtual Assistant July 2019

- Developed a Python program to input voice commands and programmed feedback to certain user inputs.
- Parsed the input voice using Google's Speech Recognition API through SpeechRecognition library.
- Informed the user through voice output about their IP Address, opened applications on their local machine, wrote emails through verbal input and searched the web and displayed results with the help of BeautifulSoup web parser.

Technologies Used: Python, BeautifulSoup, speech_recognition

ACADEMIC PROJECTS

Workout Logging Application October – November 2020

- Built a desktop application with Java to store the weightlifting records of the users so that they can easily look at their previous workouts.
- The user interface was made with Java Swing Library and the workout data was stored in JSON format on the local machine. The application was tested using JUnit.
- The application starts by asking the user's personal info and then the user can then choose to either view their previous exercise records or add a new workout record.

Technologies Used: Java, Swing, JSON, Junit

WORK EXPERIENCE

VP Volunteering, Computer Science Student Society UBC Jun 2021 – Present

- Member of the executive team of the CS Student Society at UBC.

Line Cook, Tap and Barrel (Olympic Village) Jun 2021 – Present

- Working at a fast-paced restaurant which seats more than 500 people.
- Cooking different food items while co-ordinating with other cooks during rush hours.

Brand Ambassador, Wize Prep Feb 2021 – April 2021

- Connected Wize with friends, clubs, and student groups at UBC and helped to grow Wize's student reach by referring students all around the globe to their website.
- Presented information about the various pricing options in a manner that appealed to the students and guided them to choose whatever was most useful to them.

House Council, UBC Housing Services Sep 2019 – April 2020

- Member of the house council at UBC's first-year on-campus residency. Collaborated with clubs on campus to organize large-scale events for the residence community.
- Helped foster a sense of belonging among international students and maintained weekly/bi-weekly check-ins on their mental health.

EDUCATION

2nd Year Bachelor of Science, Computer Science Major, University of British Columbia, Vancouver, BC Sep 2019 – May 2024

- Admitted into Dean's List and Science Scholar's list in first year.
- Received Dean of Science Scholarship and Trek Excellence Scholarship.