

KAKSHIL PATEL

LinkedIn: <https://www.linkedin.com/in/kakshil-patel-82a7121b4/>

Github: <https://github.com/Kpat14> | (647) – 545 – 2459 | Kakshil.14@gmail.com

TECHNICAL SKILLS

Programming Languages: Java, Python, Javascript/HTML/CSS, Kotlin, Bash, R, C, C++, Assembly, SQL, Verilog
Frameworks and Libraries: React, Node.Js, Django, Angular
Microsoft Office (Excel, Word, Powerpoint etc)

EDUCATION

H. BSc Computer Science/Biology Double Major
York University

Sept 2018 - Present

Courses: Mobile Computing, Advanced OOP, Data Structures and algorithms, Computer Architecture, Software Tools, Population Genetics, Genomics Introduction to programming, Biology, Microbiology, Immunology, Biochemistry, Organic Chemistry

WORK EXPERIENCE

Lingobility

Oct 2022- present

Software Developer Intern (Html/CSS/JS) | Online

- Developed a language learning app using the Electron (Node.Js) platform which allows users to learn multiple languages.
- Created an animated task specific progress bar App as per UX design requirements.
- Implemented a feature that allows Tutors to add and delete tasks as per class requirements, showing the time limit of each task.
- Built the app in such a way that new classes can be created and added to the dropdown list, while old classes can be edited or deleted.
- Designed a feature that contains each task and time in a specific class in its own node/bubble which gets added/deleted/edited from the progress bar upon Tutor request.
- Utilized a fully integrated local storage API to store and access all information.

Ultimate Coders

Sept 2022- present

Programming Instructor | Brampton ON

Technologies: Python, Java, HTML, CSS, Javascript, Arduino

- Trained students from different grade levels in various programming languages including Python, Java, HTML, CSS, Javascript, and Arduino.
- Facilitated engaging and interactive lessons to encourage a productive learning environment.
- Successfully conveyed advanced topics effectively through strong interpersonal, written, and oral communication skills.

Omics Logic Research Fellowship

June - Sept 2021

Research Fellow | Online

- Gained experience through the completion of courses in genomics, transcriptomics, metagenomics, epigenetics, machine learning for biomedical science as well as coding in python and R
- Completed projects and assignments on various literature and published papers ranging from viral diseases and cancer to agricultural crop output in context of climate change.
- Completed a research project publication in the domain of bioinformatics using computational biology, and statistical tools for data analysis.

PROJECTS

Memory Test – Mobile App (Android Studio, Java)

- Developed an application which functions as a memory assessment tested through the functionality of a game. User is tested for memory and relocation of matching values that they identify under a certain period of time through which they try to obtain the maximum points

Maze Path Algorithm (Java)

- Designed a program using OOP Java, that takes an input of an entry gate in a maze, and the algorithm returns the path to the exit.

Image Blur (Java)

- A program that takes an image as an input, applies different kernels and uses convolution to return the blurred image and an edge detected image in black and white.

Portfolio Website - (HTML, CSS, JS):

- Personal website for showcasing personal projects and experience

Linked List Calculator (JAVA)

- Developed a calculator which uses 2 linked lists to store number values which are then used to perform addition and subtraction, and return a linked list sum or difference.

Lung Cancer Genomics Diagnosis(R programming) – Fellowship Research Project

- Using non small cell lung carcinoma datasets from ncbi, performed transcriptomal pipeline analysis to identify and contrast biomarkers in regards to different factors such as patient age, sex, smoking; for future applications in early detection diagnostics using genomics.