KAKSHIL PATEL

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EDUCATION

H. BSc	**Computer Science/Biology Double Major**	*Sept 2018 - Present*
	York University	
	Courses: Cell Biology, Microbiology, Immunology, Biochemistry, Organic Chemistry, Population Genetics, Genomics Introduction to programming, Mobile Computing, Advanced OOP	
OSSD	North Albion Collegiate Institute/Northview Heights S.S.	*Sept 2014 - June 2018*
	Special Programs: Honours Math Science & Technology, Cyberarts	

PROJECTS

Lung Cancer Genomics Diagnosis – 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.

Memory Test – Mobile App (Android Studios, 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

Experience Ventures National Hackathon - Wellness In University App
- Designed an app targeted for university students to evaluate their wellness through the parameters of mental health and physical health. The app customizes a plan for optimizing wellness based on user input, through university workshops, events, and direct therapist services.

Diet planner
- Designed an app that tracks your meals, calories and nutrition daily, and gives a report weekly on the progress. Aimed at individuals wanting to gain/lose weight or to keep track on daily nutrition.

Personal Portfolio Website
- Designed a website outlining my projects, services, work experience and background

WORK EXPERIENCE

Omics Logic Research Fellowship   *June 2021-Sept 2021*
- Gaining experience through the completion of courses in genomics, transcriptomics, metagenomics, epigenetics, machine learning for biomedical science as well as coding in python and R
- completing projects and assignments on various literature and published papers ranging from viral diseases and cancer to agricultural crop output in context of climate change.
- Completing a research project publication in the domain of bioinformatics using computational biology, and statistical tools for data analysis.

Programming Instructor - Ultimate Coders   *Sept 2022- present*
- Training students (JK to 12): Students from a variety of different experience levels enter the program from which they are taught from basic robotics/Scratch towards advanced level python, Java, Html, CSS, Javascript and Arduino.

TECHNICAL SKILLS

- Programming Languages: Java, Python, Javascript/HTML/CSS, Kotlin, Bash, R, scratch,
- Frameworks and Libraries: Node.Js, Django, Angular
- Microsoft Office (Excel, Word, Powerpoint etc)
- PCR, ELISA, Gel electrophoresis, Blotting, Culturing
- NGS, Data analysis, BLAST, Bioinformatics, Genomics

LANGUAGES   English, Gujarati, Hindi, Urdu