Keta Khatri

1B Software Engineering

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TECHNICAL SKILLS

- Proficient in Java, C, C++, Python
- Familiar with building web applications using HTML, CSS, JavaScript, and Wordpress and with SQL and databases
- Extensive Knowledge of Git, and Visual Studio Code

WORK EXPERIENCE

University of Alberta — *Research Assistant*   July 2021 - August 2021

- Worked with a Machine Learning algorithm that demonstrated the importance of a phrase using confidence levels of the words in the database
- Filtered out the words from the database based on their confidence levels that were outputted by the algorithm
- Created visual representation of the primary features contributing to the accuracy prediction within the database using **Python**, Dash, and Matplotlib
- Implemented the representation into WebApp using **HTML**, **CSS**, **JavaScript**
- Contributed to increasing accuracy by 7% by providing insight using the visual representations

Rajasthan Creations by Purva— *Web Developer*   March 2021 – August 2021

- Developed an eCommerce website using **WordPress** to allow more out-of-town customers
- Set up payment processing to allow Apple-pay, Google-pay, Pay-Pal, and Square-Pay
- Increased sales through online website make up 6% of overall sales
- Programmed a timed **HTML** slideshow that showcased the store's specials

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PROJECTS

All in Good Waste—*Coding Queens*

- Used **Python**, Lobe.AI and object detection algorithms to sort trash into corresponding bins and light up corresponding LED's
- Trained the Raspberry Pi from 80% to 94% accuracy through Kaggle Photos

Cracked Screen Filter—*Major League Hacking*

- Used **JavaScript**, Lens-Studio by Snapchat and Multi-object detection to recognize Television Screens and display an image of a cracked screen over the dimension of the screen.

Project Zero Experience—*University of Waterloo*

- Worked with a team of like-minded peers to simplify broad real life scenarios into smaller manageable problems and come up with attainable solutions
- Created an alternative to use biodegradable Peanut shells instead of plastic to save the environment

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CERTIFICATES

Edhesive - AP Computer Science—Amazon

- Programmed in **Java** to design and implement computer programs that solve problems relevant to today's society, including art, media, and engineering

CS50 Computer Science—Harvard University

- Studied concepts like abstraction, algorithms, data structures, web development with **C**, **Python**, **SQL**, **JavaScript**, **CSS and HTML**

EDUCATION

University of Waterloo—*Honors Software Engineering, Co-op Program* Present

Westwood Community High School   September 2018 – June 2021

- Top 5 in the Grade 10. Top 3 in Grade 11. 97% Average in Grade 12.
- Member of Student Council for 2 years
- Participated in the Wood Buffalo Regional Municipality Science Fair