

# Keta Khatri

Software Engineering

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## LANGUAGES AND FRAMEWORKS

C++   C   Python   Java   HTML   CSS   SQL   Wordpress

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## WORK EXPERIENCE

### University of Alberta — Research Assistant

July 2021 – August 2021

- Created visual representation of important features within the database using **Python**, Dash, and Matplotlib
- Implemented the representation into WebApp using **HTML**, **CSS**, **JavaScript**
- Worked with a Machine Learning algorithm that demonstrated the importance of a phrase
- Increased accuracy by 2% by understanding what the important features were

### Rajasthan Creations by Purva — Web Developer

March 2021 – August 2021

- Developed an eCommerce website using **WordPress**, and **HTML**
- Worked with client to gather and define requirements to manage project milestones
- Helped increase client-base by 6%

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## PROJECTS/ EXTRA-CURRICULAR

### 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** 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

- Simplified broad real life scenarios into smaller manageable problems and come up with attainable solutions.
- Focused on issues such as environmental emergencies, and space technology
- 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
- Programmed with **C**, **Python**, **SQL**, **JavaScript**, **CSS** and **HTML**

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## EDUCATION

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

September 2021 – 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