

EDUCATION

Edmonton, AB	University of Alberta	Sept 2018-Apr 2022
<ul style="list-style-type: none">• Major: Computing Science, B. Sc. (GPA: 3.5) (Year 3)• Specialization: Software Practice• Coursework: Algorithms & Data Structures, Databases, Test-driven development, Software quality and maintenance		

SKILLS

~ **Programming Languages:** Python, C/C++, Java, HTML/CSS, JavaScript
~ **Frameworks:** React Native, Bootstrap
~ **Software testing tools:** Junit, Jacoco, JMeter, SonarQube, Spotbugs
~ **Databases:** SQL, Google Firestore, Microsoft Azure cloud storage, Berkeley DB

EMPLOYMENT

Teaching Assistant, Part-time	University of Alberta	Jan-Apr 2021
Course: Formal systems and Logic in Computing Science <ul style="list-style-type: none">• Work closely with the professor in setting the difficulty of the course.• Responsible for grading student assessments.• Keep track and reply to queries on class forum.		

IT Assistant, Intern	Prilyx R&D	Apr-May 2020
Live Video processing using Machine Learning. <ul style="list-style-type: none">• Produced 15 e-learning modules and increased onboarding efficiency by 100%.• Covered topics ranging from encryption to authentication services using step-by-step instructions.• Exercised Agile practices to ensure project is completed within allotted time.• Gained knowledge in workplace efficiency tools such as Jira, OneDrive, and Slack.		

SOFTWARE EXPERIENCE

Bookkeeping App ([GitHub](#))

- Developed an Android app that users can use to lend and borrow books from other users.
- Used Java in android studio to design and program the app for Android.
- Established a Google Fire Store database to store user information.
- Integrated GitHub and TravisCI to seamlessly collaborate and version control.
- Utilized: Java, Firebase, GitHub, TravisCI

Political AI chatbot ([GitHub](#)) (Hackathon project)

- Developed an AI chatbot well-versed in the politics of Canada.
- Integrated the python NLTK library to parse user queries and reply with up to 65% accuracy.
- Converted wiki pages into useful data for corpus using nltk tokenization.
- Utilized: Python, NLTK library, Numpy

Food-o-meter ([GitHub](#))

- Developed an app that helps you track daily calorie intake requirements.
- Used React Native framework to ensure app works in both iOS and Android.
- App features authentication and cloud storing.
- Utilized: JavaScript, React, React Native, Firebase

Unbeatable Tic-Tac-Toe AI

- Developed an AI for Tic-Tac-Toe that either defeats or draws against a human player every single time.
- Used the Minimax algorithm to make the AI efficiently evaluate game states and pick the most rewarding move.
- Used data structure concepts to design containers for the AI.
- Utilized: Python, Pygame

LEADERSHIP AND EXTRACURRICULAR

~ Software team member at Autonomous Robotic Vehicle Project at the University of Alberta	Dec 2020-Present
~ Software team co-lead at Renewable Energy Designs at the University of Alberta	Sep 2019-Apr 2020
~ Co-curricular activities secretary at India International School, Kuwait	Jan 2017-Dec 2017