# SHRUTHI RAVISHANKAR

**Edmonton, Alberta**
**Email:** shruthi@ualberta.ca
**LinkedIn:** https://www.linkedin.com/in/shru-r/


## Education:

**M.Sc Computing Science**, University of Alberta, Edmonton — **Expected: Summer 2021**
**B.E. in Computer Science**, Anna University, Chennai, India — **CGPA**: 3.92/4.0 — **Graduated: Spring 2019**

## Technical Experience:

**Software Engineer Intern**, Makesto Infotech Private Limited, Chennai, India — **Summer 2018**
• Developed a JavaScript plugin, which was used internally for supporting 3D models in the GL Transmission Format.
• Worked on and achieved dimensionality reduction of 3D models, with minimal data loss, in Python.
• This was a very important part for the mobile visualization of a target object with minimal load times.
• Worked in a fast-paced Agile Scrum environment and participated in daily stand-up meetings.

**Software Engineer Intern**, L&T Technology Services, Chennai, India. — **Summer 2017**
• Worked on and contributed to the front-end of the web application assigned to my Intern team.
• Individual contributions include developing the login, sign-up and deposit pages using HTML5, CSS3 and JavaScript.
• Contributed to the Software documentation.
• Worked in an Agile environment and learnt about the different Agile methodologies for Software development

## Technical Projects:

**Relation extraction in Knowledge Bases using Clustering – Knowledge Graphs** — **Winter 2020**
• A Natural Language Processing based project which focused on relation extraction between a pair of entities in Knowledge Bases using a clustering algorithm.
• Created using Python and tested on KnowledgeNet relations.

**Platform to assess geriatric frailty using smart wearable devices – IoT** — **Winter 2020**
• Developed a system to assess geriatric frailty using four smart devices which could be monitored from afar.
• Tech stack: MongoDB, Python, PostgreSQL, Node.js, React.js

**Early Detection of Depression using Linguistic Metadata** — **Spring 2019**
• A Machine Learning based project that detects the early onset of depression using the RSDD dataset and processed using Natural Language Processing.
• Created using Python and the Reddit Self-reported Depression Diagnosis (RSDD) dataset.

**Visual Aid System: (Patented) - Professor S. Chitrakala** — **Fall 2017**
• Developed a Visual Aid storytelling system used in story telling sessions for visually challenged children.
• It consisted of an interactive computer and sensor system and when scenes from stories were fed to the computer, the sensors rose to depict the scene.
• The visually challenged children could also place their hands on the sensors so as to feel the scene unfolding through their hands.
• Tech Stack: MATLAB, C++.

## Technical skills:

Programming: Java, Python, C++
Web: HTML, CSS, JavaScript
Database: MySQL, Oracle