

SHRUTHI RAVISHANKAR

Edmonton, Alberta

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Education:

M.Sc Computing Science, University of Alberta, Edmonton

B.E. in Computer Science, Anna University, Chennai, India

CGPA: 3.92/4.0

Expected: Summer 2021

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, 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