SHRUTHI RAVISHANKAR| Edmonton, Alberta | shruthi@ualberta.ca | www.linkedin.com/in/shru-r/
PORTFOLIO: https://shr100.github.io/ | **GITHUB:** https://github.com/shr100

EMPLOYMENT

Head Teaching Assistant	**University of Alberta**	**Fall 2019 – Present**

- Courses: Introduction to Foundations of Computing, Computer Networks, Graduate teaching assistant training.
- Promoted to head teaching assistant in Spring 2020, prepared graduate TA training material and supervised 20 other TA's.

Software Engineer Intern	**Makesto Infotech Private Limited**	**May 2018 – Jul 2018**

- Developed a JavaScript plugin, which was used internally for supporting 3D models in the GL Transmission Format and achieved dimensionality reduction of 3D models, with minimal data loss, in Python.
- Dimensionality reduction was very important for the mobile visualization of a target object with minimal load times.
- Demonstrated problem solving skills while working to fix bugs efficiently, when developing the JavaScript plugin.
- Acquired organizational skills through working in a fast-paced Agile Scrum environment.

Software Engineer Intern	**Larsen & Toubro Technology Services**	**Jun 2017 – Jul 2017**

- Contributed to the front-end of the web application assigned to my team.
- Individual contributions included developing the login, sign-up and deposit pages using HTML5, CSS3 and JavaScript.
- Excellent written and communication skills were acquired, as evidenced by contributing to the software documentation.

EDUCATION

M.Sc. Computing Science, University of Alberta, Edmonton.		**Sep 2019 - Jun 2021 (expected in)**
B.E. in Computer Science, Anna University, Chennai, India		**Aug 2015 – May 2019**

Graduate coursework: Introduction to Machine Learning, Introduction to NLP, Interactive Machine Learning, Internet of Things.
Undergraduate coursework: Algebra and Number Theory, Data Structures and Algorithms, Calculus I and II, Software Engineering, Operating Systems, Database Management, Web programming, Information Retrieval, Computer Vision

SELECTED PROJECTS

- **Noise Eliminator in Active Learning (NEAL – 2020).** Developed an algorithm to produce highly accurate machine learning predictions with very low amount of training instances. **Python.**

- **Early Detection of Depression using text sequences (2019).** System that detects the early onset of depression using the RSDD dataset and processed using Natural Language Processing. **Python.**

- **Assessment of geriatric frailty – Internet of Things (2020).** System to assess geriatric frailty using four smart devices which could be monitored from afar, developed for the company Withings. **MongoDB, Python, React.js**

- **Patented Visual Aid System (2017).** A Visual Aid storytelling system used in story telling sessions for visually challenged children that 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. **Java, MATLAB.**

TECHNICAL SKILLS

Language:	Python, Java, C++, HTML, CSS, JavaScript
Libraries:	NumPy, Pandas, Matplotlib, Scikit-Learn, Keras, NLTK, Gensim, spaCy
Databases:	MySQL
Tools:	Jupyter Notebook, Google Colab, Github, Excel