

Shruthi R Edmonton, Alberta | shruthi@ualberta.ca | www.linkedin.com/in/shru-r/

PORTFOLIO: <https://shr100.github.io/> | **GITHUB:** <https://github.com/shr100>

INDUSTRY EXPERIENCE

ML Research Scientist Intern	Famwork	Dec 2020 – Present
<ul style="list-style-type: none">Leveraged analytical and data visualization techniques for integrating machine learning models into electronic health record systems and built a chatbot for the patient portal.Spearheaded the automation of the telehealth system for the minimum viable product, that was used to forecast diseases the patient was susceptible to acquire, based on his/her medical history.Strategized the improvement of customer satisfaction by 50%, by automating the existing EHR system.		
Software Engineer Intern	Makesto Infotech Private Limited	May 2018 – Jul 2018
<ul style="list-style-type: none">Launched a JavaScript plugin, which was used internally for supporting 3D models in the GL Transmission Format.Established a framework for achieving dimensionality reduction of 3D models by 30%, with minimal data loss, in Python.Collaborated with Target to maximize retail sales by 80%, incorporating 3D modeling.		
Software Engineer Intern	Larsen & Toubro Technology Services	Jun 2017 – Jul 2017
<ul style="list-style-type: none">Worked in an agile environment and developed the login, sign-up, and deposit pages for the company using HTML5, CSS3, and JavaScript.Utilized clean code practices and contributed to building a complex, scalable software system.Perfected the existing system by improving security against SQL injection attacks by almost 70%.		

EDUCATION

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

SELECTED PROJECTS

- Noise Eliminator in Active Learning (NEAL – 2020).** Developed an algorithm to produce highly accurate machine learning predictions with a very low amount of training instances. **Python.**
- Early Detection of Depression using text sequences (2019).** A 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 storytelling 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

Languages:	Python, Java, C++, HTML, CSS, JavaScript, PHP
Libraries:	NumPy, Pandas, Matplotlib, Scikit-Learn, Keras, NLTK, Gensim, spaCy, TensorFlow, PyTorch
Databases:	MySQL
Tools:	Jupyter Notebook, Google Colab, Github, Excel
Platforms:	Microsoft Windows, Ubuntu Linux, Mac

LEADERSHIP AND CERTIFICATIONS

Enantra, Executive Core	Nov 2017 - May 2019
<ul style="list-style-type: none">Founded and organized Enantra, the biggest entrepreneurship fest of South India.Led a team of twenty individuals to plan and organize a networking event that hosted top entrepreneurs across India.	
Head Teaching Assistant, University of Alberta	Sep 2019 - Present
<ul style="list-style-type: none">Promoted to head teaching assistant in Spring 2020, prepared graduate TA training material, and supervised 10 other TA's.	
AWS Cloud Fundamentals, Amazon Web Services	Feb 2021
<ul style="list-style-type: none">A Coursera specialization offered by Amazon that taught to manipulate AWS services to their full potential.	