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

## INDUSTRY EXPERIENCE

<b>Data Scientist Intern</b>	<b>Famwork</b>	<b>Dec 2020 – Present</b>
<ul style="list-style-type: none"><li>• Leveraged statistical and ML algorithmic techniques for integrating machine learning models into electronic health record systems and built a chatbot for the patient portal.</li><li>• Spearheaded the automation of the telehealth system for the minimum viable product and improved accuracy of the system to forecast diseases the patient was susceptible to acquire, by 80%.</li><li>• Strategized the improvement of customer satisfaction by 50%, by automating the EHR system.</li></ul>		
<b>Software Engineer Intern</b>	<b>Makesto Infotech Private Limited</b>	<b>May 2018 – Jul 2018</b>
<ul style="list-style-type: none"><li>• Launched a JavaScript plugin, which was used internally for supporting 3D models in the GL Transmission Format.</li><li>• Established a framework for achieving dimensionality reduction of 3D models by 30%, with minimal data loss, in Python.</li><li>• Collaborated with a team of 10+ people to maximize retail sales at Target by 80%, incorporating 3D modeling.</li></ul>		
<b>Software Engineer Intern</b>	<b>Larsen &amp; Toubro Technology Services</b>	<b>Jun 2017 – Jul 2017</b>
<ul style="list-style-type: none"><li>• Utilized agile practices and developed the login, sign-up, and deposit pages for the company using HTML5, CSS3, and JavaScript.</li><li>• Participated in code reviews and collaborated with 5+ people to build a complex, scalable software system.</li><li>• Perfected the existing system by improving security against SQL injection attacks by almost 70%.</li></ul>		

## EDUCATION

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

## SELECTED PROJECTS

- **Early Detection of Depression using text sequences (NLP - 2019).** A system that detects the early onset of depression using the RSDD dataset and processed using Natural Language Processing. Achieved an accuracy of 99%. Python.
- **Relation Extraction in Knowledge Bases (NLP - 2020).** A system that extracts relations between a pair of entities in Knowledge Bases using a clustering algorithm. Python
- **Hybrid\_UI - Intelligent User Interfaces (NLP - 2021).** An intelligent system to improve user interface experience on websites for geriatric and the visually impaired population. Python, Java
- **Noise Eliminator in Active Learning (2020).** An algorithm to produce highly accurate machine learning predictions with a very low amount of training instances. Improved over previous systems by 10%. Python.

## 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, AWS  
**Platforms:** Microsoft Windows, Ubuntu Linux, macOS

## LEADERSHIP AND CERTIFICATIONS

<b>Enantra, Executive Core</b>	<b>Nov 2017 - May 2019</b>
<ul style="list-style-type: none"><li>• Founded and organized Enantra, the biggest entrepreneurship fest of South India.</li><li>• Led a team of 20 individuals to plan and organize a networking event that hosted top entrepreneurs across India.</li></ul>	
<b>Head Teaching Assistant, University of Alberta</b>	<b>Sep 2019 - Present</b>
<ul style="list-style-type: none"><li>• Promoted to head teaching assistant in Spring 2020, prepared graduate TA training material, and supervised 10 other TA's.</li></ul>	
<b>AWS Cloud Fundamentals, Amazon Web Services</b>	<b>Feb 2021</b>
<ul style="list-style-type: none"><li>• A Coursera specialization offered by Amazon that taught to manipulate AWS services to their full potential.</li></ul>	