

# Vigneshwaran Shankaran

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<b>INTERESTS</b>	Hate Speech detection, Computational Linguistics, NLP for social good, AI ethics and fairness, Computational Social Science
<b>EDUCATION</b>	<p><b>Sri Sathya Sai Institute of Higher Learning, India</b></p> <p>MSc Data Science and Computing Aug 2020 - May 2022</p> <ul style="list-style-type: none"> <li>• Thesis: Multi-site Diagnostic Classification Of Schizophrenia Using 3D CNN On Aggregated Task-based fMRI Data</li> <li>• Advisor: Prof. Bhaskaran V</li> <li>• Coursework includes: Machine Learning, Deep Learning, Computational Linear Algebra, Multi-Variate Statistical Analysis, Big Data, Hadoop Programming</li> </ul> <p>BCA Bachelors of Computer Applications Jun 2017 - May 2020</p> <ul style="list-style-type: none"> <li>• Coursework includes: Data Structures and Algorithms, Operating Systems, DBMS, Computer Architecture and Design</li> </ul>
<b>EXPERIENCE</b>	<p><b>Computational Social Science Group, University of Tartu, Estonia</b></p> <p><i>Research Intern</i> Jun 2022 - Present</p> <ul style="list-style-type: none"> <li>• The primary project focused on hate speech and toxicity on online social media platforms.</li> <li>• Managed multiple research projects revolving around hate speech, hope speech, and sexism*</li> </ul> <p><b>Psychesoft Integrative Wellness, India</b> Apr 2020 - Feb 2021</p> <p><i>Full-Stack Webdeveloper</i></p> <ul style="list-style-type: none"> <li>• Responsible for building a platform to facilitate online psychiatric consultations</li> <li>• Deployed Adhoc opensource tools to combat Covid Crisis by channeling resources</li> </ul>
<b>PUBLICATIONS</b>	<p>Aditya Narayan Sankaran<sup>†</sup>, <u>Vigneshwaran Shankaran</u><sup>†</sup>, Sampath Lonka, Rajesh Sharma. “<b>Don’t Touch The Classics: A Study on Identifying and Rectifying Gender Stereotypes in Rhymes and Poems</b>” (2023). <i>Under review in EMNLP’23</i></p> <p>Shakshi Sharma, Anwitaman Datta, <u>Vigneshwaran Shankaran</u>, Rajesh Sharma. “<b>Misinformation Concierge: A proof-of-concept with COVID-19 vaccination Twitter dataset</b>” (2023). <i>Under review in CIKM’23 Demo Papers</i></p> <p><u>Vigneshwaran Shankaran</u>, Rajesh Sharma. “<b>Analyzing Public Conversations Through The Lens Of Toxicity</b>” (2023). <i>Under review in ASONAM’23<sup>+</sup></i></p> <p><u>Vigneshwaran Shankaran</u>, Bhaskaran V. “<b>Multi-site Diagnostic Classification Of Schizophrenia Using 3D CNN On Aggregated Task-based fMRI Data.</b>” arXiv preprint arXiv:2210.05240 (2022)</p>
<b>TEACHING</b>	<p>TA for Business Data Analytics Fall 2022 &amp; Spring 2023</p> <ul style="list-style-type: none"> <li>• University of Tartu(UT), Facilitated homework assignments on topics like customer segmentation; delivered lectures and recitations</li> </ul>
<b>ONGOING PROJECTS*</b>	<ul style="list-style-type: none"> <li>• UT(Master Thesis) - Toxicity in Google Play Store reviews: What, Where, and Why?</li> <li>• IIT-Ropar - Adversarial Attacks on hate speech models</li> <li>• IIT-Bhubaneswar - Presence of hope speech in LGBTQ-related topics</li> <li>• IIT-Bhubaneswar - Sexism in Indian Settings</li> <li>• IIT-Ropar - Instigating hate: The root cause of hate propagation on online social media</li> </ul>
<b>SKILLS</b>	<p>Computer Languages: Python, Java, Javascript</p> <p>Tools: LATEX, Sci-Kit Learn, PyTorch, TensorFlow, Hadoop, Spark, FullStack(Vue, Express, Mongo)</p> <p>Languages: English and Tamil</p>
<b>AWARDS</b>	Under top 10 out of 2482 participants in Full-Stack Web Development Hackathon on HackerEarth.com
<b>REFERENCES</b>	<ul style="list-style-type: none"> <li>• Dr. Rajesh Sharma, University of Tartu (<a href="mailto:rajesh.sharma@ut.ee">rajesh.sharma@ut.ee</a>)</li> <li>• Prof. Bhaskaran V, Sri Sathya Sai Institute of Higher Learning (<a href="mailto:vbhaskaran@sssihl.edu.in">vbhaskaran@sssihl.edu.in</a>)</li> </ul>

<sup>†</sup> Denotes equal contribution

<sup>+</sup> Paper can be shared on request