

Education

- Current **PhD Student**, *Computer Science*, Carnegie Mellon University, Pittsburgh.
Research: Interpretability in Computer Aided Diagnosis (CAD) techniques for medical imaging
- 2016–2018 **Masters of Science**, *Computer Science*, University of Maryland, College Park, *GPA – 4.0/4.0*.
Relevant Coursework: Machine Learning, Computational Linguistics, Empirical Research Methods, Computational Genomics
- 2012–2016 **Bachelor of Technology**, *Computer Science*, Indian Institute of Technology, Jodhpur, *GPA – 9.54/10*.
Suma Cum Laude Relevant Coursework: Algorithm Design, Game Theory, Database Management, Computer Networks, Operating Systems, Socio-Economic Networks, Health Economics

Work Experience

- Summer **Data Science Intern**, THE NEW YORK TIMES, New York.
2019 Worked on a project to identify and characterize evergreen articles published by the Times using the article specific timeseries characteristics
- Summer **Data Analyst Intern**, FOCUSVISION WORLDWIDE INC, New York.
2018
 - Developed a social listening tool to track overall brand health and assist marketing campaigns to assess the impact of different market research strategies
 - The tool uses an assortment of text analytics technique applied on multiple data sources (pertaining to a brand) to generate interpretable actionable insights.

Research Experience

- 2016–2018 **Graduate Research Assistant**, UNIVERSITY OF MARYLAND, College Park.
Mentor: Prof. V.S. Subrahmanian
 - Designed a model-agnostic explanation engine for binary classifiers to generate natural language (English) balanced explanations (evidence *for and against* the predictions)
 - Integrated this engine with different classifiers to come up with a **behavioral model for terrorist groups**

Publications

- 2019 **S Grover**, C Pulice, G Simari, VS Subrahmanian. BEEF: Balanced English Explanations for Forecasts
IEEE Transactions on Computational Social Systems.
- 2019 A Horvath, **S Grover**, S Dong, E Zhou, F Voichick, MB Kery, S Shinju, D Nam, M Nagy, BA Myers.
The Long Tail: Understanding the Discoverability of API Functionality
IEEE Symposium on Visual Languages and Human-Centric Computing (VL/HCC), 2019

Awards

- 2016 Awarded President's Gold Medal (**President of India Prize**) for the best academic performance in the graduating class of 2016 among B.Tech. programs of all disciplines at IIT Jodhpur
- 2016 Awarded Chairman, Board of Governors Prize for the best academic performance in the graduating class of 2016 of B.Tech.(Computer Science and Engineering) Program at IIT Jodhpur
- 2015 Selected for the CRUISE program at the School of Computational Science and Engineering, Georgia Tech

Other Projects

- Visual ML Explainer** Designed an [interface](#) for interpretable gender and emotion recognition using LIME and P5js
- Detecting Cyberbullying on Twitter** An ensemble of classification models to identify and categorize cyberbullying on Twitter based on Gender, ethnicity or mental health.
- Transliteration** A neural network model to perform the task of multilingual transliteration.

Technical skills

- Languages PYTHON, R, SQL (Google BigQuery), JAVA, C++, MATLAB
- ML Tools scikit-learn, GeoPandas, PyTorch, Keras
- Big Data Apache Airflow, pySpark
- Vis Tools D3js, Tableau, P5js, FabricJS
- Web Tools BeautifulSoup and Selenium for web scraping, HTML5, NodeJS, CSS, PHP, SvelteJS