

Education

- Current **PhD Student**, *Computer Science*, Carnegie Mellon University.
- 2016–2018 **Masters of Science**, *Computer Science*, University of Maryland, College Park, *GPA – 4.0/4.0*.
Relevant Coursework: Computational Genomics, Machine Learning, Computational Linguistics
- 2012–2016 **Bachelor of Technology**, *Computer Science*, Indian Institute of Technology, Jodhpur, *GPA – 9.54/10*.
 - Relevant Coursework: Beyond NP completeness, Socio-Economic Networks, Operating Systems, Algorithm Design
 - B.Tech.Thesis**: Performance Centric Bandwidth Allocation for Data Parallel Applications. The problem was designed as a combinatorial optimization problem for the scenario of private datacenters. The placement of tasks on servers along with bandwidth utilization were optimized with weighted fairness constraints

Research Experience

- 2016-2018 **Graduate Research Assistant**, UNIVERSITY OF MARYLAND, College Park.
Mentor: Prof. V.S. Subrahmanian
 - Worked on a project to design a model-agnostic explanation engine for binary classifiers to generate natural language (English) balanced explanations (evidence *for and against* the predictions)
 - Integrating this engine with different classifiers to come up with a behavioral model for terrorist groups
- Summer 2015 **Summer Research Intern**, GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta.
Mentor: Prof. Dr. Bistra Dilkina
 - Focused on finding novel heuristic approaches for *branching* in Branch and Bound in MIP solver
 - Designed variable selection strategies based on Multi-armed bandit approach (Pseudocost scores treated as surrogate for rewards)
 - Implemented using CPLEX callable libraries (C API) and results were compared to well-established heuristic of Pseudocost based branching and Strong branching

Work Experience

- Summer 2019 **Data Science Intern**, THE NEW YORK TIMES, New York.
Worked on a project to identify and characterize evergreen articles published by the Times using the article specific timeseries characteristics and the textual content
- Summer 2018 **Data Analyst Intern**, FOCUSVISION WORLDWIDE INC, New York.
 - Worked on 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.

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

- Texture Synthesis** Devising Evaluation schemes for textures synthesized using variational and adversarial Autoencoders
- Detecting Cyberbullying on Twitter** An ensemble of classification models to identify and categorize cyberbullying on Twitter based on Gender, ethnicity or mental health.
- Digitization Database** Refactored the database for Georgetown Law Library's Digitization Initiative to achieve extensibility
- Transliteration** A neural network model to perform the task of multilingual transliteration.
- Extending IUIPC** Constructed a new contemporary privacy concerns scale followed by an M-turk study for consistency analysis