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Employment History

Professional Experience

- 09/2024 – Present ▶ **Data Scientist (R&D) - Data and AI Program** - *Leidos Inc.*, McLean, VA
Principal Investigator and technical lead for multiple AI-driven transportation projects at the Saxton Transportation Operations Laboratory, Federal Highway Administration, U.S. DOT. Responsible for research direction, cross-functional coordination, and delivery of innovative solutions supporting federal surface transportation research initiatives.
- 06/2020 – 08/2020 ▶ **Data Science Intern** - *Swiss Re*, New York, NY, USA
- 01/2017 – 05/2021 ▶ **Senior Data Scientist** - *Kearney*, Mumbai, India
Worked as a consultant in Kearney's Analytics practice, leading data-driven strategy and implementing projects across telecommunications, IT, and government sectors in three continents, including engagements in Germany, the Netherlands, and Saudi Arabia.
- 08/2015 – 11/2016 ▶ **Machine Learning Engineer** - *A.I. Research Lab, TCS*, Kochi, India
Developed and deployed ML models and knowledge graphs for real-world applications across private equity and e-commerce, enhancing enterprise AI solutions.
- 01/2015 – 06/2015 ▶ **Data Science Intern, Semantic Search** - *DataWeave Inc.*, Bangalore, India

Research Experience

- 05/2021 – 08/2024 ▶ **Doctoral Researcher** – *University of Virginia*, VA, USA
- 11/2019 – 05/2021 ▶ **Graduate Researcher** – *Pennsylvania State University*, PA, USA
- 2013 – 2015 ▶ **Research Assistant** – *Dept. of Information Technology, MIT, Manipal*, India
- Summer 2013 ▶ **Research Intern** – *Indian Institute of Technology (IIT), Guwahati*, India

Education

- 2021 – 2024 ▶ **Ph.D. Systems Engineering, University of Virginia**, GPA: 4/4
(*Data Science and Operations Research concentration*)
Dissertation title: *Examination of Community Responses to Hurricane Evacuation Orders Using High-Fidelity Mobility Data*.
Committee: Negin Alemazkooor (Co-Advisor), Majid Shafiee-Jood (Co-Advisor), James H. Lambert (Chair), Samarth Swarup, Mani Rouhi Rad.
- 2019 – 2021 ▶ **M.Sc. Data Science and Analytics, Pennsylvania State University**, GPA: 4/4
Thesis title: *Energy Infrastructure Resilience and Economic Impacts: Modeling, Data Analytics, and Metrics*.
Committee: Mohamad Darayi (Advisor), Colin J. Neill (Chair), Raghvinder S. Sangwan, Satish M. Srinivasan, and Ashkan Negahban.
- 2011 – 2015 ▶ **B.Sc. Information Technology, Manipal University**
(*Computer Science concentration*)

Research Interest

- ▶ **Methodological domains:** artificial intelligence, scientific machine learning, reinforcement learning, system modeling and simulation, data-driven decision making, mathematical modeling and optimization.
- ▶ **Application domains:** intelligent transportation systems, energy systems, interdependent infrastructure systems, healthcare, computational sustainability, and climate change.

Technical Skills

Advanced Data Science	▶ Scientific Machine Learning, Deep Learning, Reinforcement Learning, Uncertainty Quantification, Meta-Learning, Transfer Learning.
Data Analytics	▶ Data Mining, Predictive and Prescriptive Modeling, Quantitative Analysis, Parametric & Non-Parametric Statistical Modeling, Causal and Bayesian methods, Time-series forecasting, Design of Experiments, A/B Testing, ANOVA, Bootstrapping, Data Structures and Algorithms.
Programming Languages	▶ Python, R, SQL, Java.
Development	▶ TensorFlow, PyTorch, Spark (PySpark, Spark SQL), Hadoop, MapReduce, Graph DB, HBase, Neo4j, CI/CD Jenkins.
Project Management	▶ Project Planning, Agile Development, Leadership, Problem Solving.
Visualization/Others	▶ Power BI, Tableau, Elastic Search, Excel (Advanced), AIIMS, Minitab, KN-IME, Alteryx, AWS, IBM Bluemix, Palantir Foundry.

Research Publications

Journal Articles

- [1] M. A. Hasnat, **H. Anand**, M. Tootkaboni, and N. Alemazkoor, "Spatio-temporal graph attention network-based detection of fdia from smart meter data at geographically hierarchical levels," *Electric Power Systems Research*, vol. 238, p. 111 149, 2025. [DOI: 10.1016/j.epsr.2024.111149](https://doi.org/10.1016/j.epsr.2024.111149).
- [2] **H. Anand**, N. Alemazkoor, and M. Shafiee-Jood, "Hevod: A database of hurricane evacuation orders in the united states," *Scientific data*, vol. 11, no. 1, p. 270, 2024. [DOI: 10.1038/s41597-024-03100-x](https://doi.org/10.1038/s41597-024-03100-x).
- [3] **H. Anand**, S. Swarup, M. Shafiee-Jood, and N. Alemazkoor, "Understanding of income and race disparities in hurricane evacuation is contingent upon study case and design," *Scientific Reports*, vol. 14, no. 1, p. 28 829, 2024. [DOI: 10.1038/s41598-024-79754-9](https://doi.org/10.1038/s41598-024-79754-9).
- [4] M. Gollapalli, **H. Anand**, and S. M. Srinivasan, "Characterizing diseases using genetic and clinical variables: A data analytics approach," *Quantitative Biology*, vol. 12, no. 3, pp. 271–285, 2024. [DOI: 10.1002/qub2.46](https://doi.org/10.1002/qub2.46).
- [5] **H. Anand**, R. Nateghi, and N. Alemazkoor, "Bottom-up forecasting: Applications and limitations in load forecasting using smart-meter data," *Data-Centric Engineering*, vol. 4, e14, 2023. [DOI: 10.1017/dce.2023.10](https://doi.org/10.1017/dce.2023.10).
- [6] X. Ma, E. Pierce, **H. Anand**, N. Aviles, P. Kunk, and N. Alemazkoor, "Early prediction of response to palliative chemotherapy in patients with stage-iv gastric and esophageal cancer," *Bmc Cancer*, vol. 23, no. 1, p. 910, 2023. [DOI: 10.1186/s12885-023-11422-z](https://doi.org/10.1186/s12885-023-11422-z).
- [7] **H. Anand**, "Energy infrastructure resilience and economic impacts: Modeling, metrics, and data analytics," 2021. [URL: https://etda.libraries.psu.edu/catalog/18967hpa5116](https://etda.libraries.psu.edu/catalog/18967hpa5116).
- [8] **H. Anand** and M. Darayi, "Power network component vulnerability analysis: A machine learning approach," *Procedia Computer Science*, vol. 185, pp. 73–80, 2021. [DOI: 10.1016/j.procs.2021.05.008](https://doi.org/10.1016/j.procs.2021.05.008).
- [9] D. P. Jaiswal, **H. Anand**, S. M. Srinivasan, and M. Darayi, "A data-driven model to generate disruptive scenarios for infrastructure resilience studies," *Procedia Computer Science*, vol. 185, pp. 248–255, 2021.
- [10] R. Sharma, **H. Anand**, Y. Badr, and R. G. Qiu, "Time-to-event prediction using survival analysis methods for alzheimer's disease progression," *Alzheimer's & Dementia: Translational Research & Clinical Interventions*, vol. 7, no. 1, e12229, 2021. [DOI: 10.1002/trc2.12229](https://doi.org/10.1002/trc2.12229).
- [11] A. Saxena, **H. Anand**, T. Pradhan, and S. R. Mishra, "A hybrid chaining model with avl and binary search tree to enhance search speed in hashing," *International Journal of Hybrid Information Technology*, vol. 8, no. 3, pp. 185–194, 2015.
- [12] T. Pradhan, **H. Anand**, and A. Goyal, "Tha-a hybrid approach for rule induction system using rough set theory, genetic algorithm and boolean algebra," *Global Journal of Research and Engineering-GJRE-I*, vol. 14, no. 1, 2014.

Conference Proceedings

Harsh Anand, Ph.D.

- [1] **H. Anand**, M. Shafiee-Jood, and N. Alemazkooor, "Perspicuity of evacuation behavior in communities during hurricanes using large-scale mobility patterns and communal characteristics," in *2023 57th Annual Conference on Information Sciences and Systems (CISS)*, IEEE, 2023, pp. 1–6.
- [2] **H. Anand** and M. Darayi, "A probabilistic approach to modeling power network component importance considering economic impacts," in *IIE Annual Conference. Proceedings*, Institute of Industrial and Systems Engineers (IISE), 2021, pp. 1010–1015.

Under Review Publications

Journal Articles

- [1] **H. Anand** and M. Darayi, *Modeling and analyzing energy infrastructure resilience considering economic impact*, Under Revision Review at *PLOS One*, 2025.
- [2] **H. Anand**, M. Rouhi Rad, N. Alemazkooor, and M. Shafiee-Jood, *Unveiling the truth: How effective are hurricane evacuation orders? insights from hurricane dorian in florida*, Under Review at *Bulletin of the American Meteorological Society*, 2025.
- [3] K. Khayambashi, **H. Anand**, M. Taghizadeh, and N. Alemazkooor, *Data transmission and storage reduction in wireless sensor networks via local and global deep learning models*, Under Review at *Internet of Things and Cyber-Physical Systems*, 2024.

Books and Chapters

- [1] **H. Anand**, K. Khayambashi, and N. Alemazkooor, *Long-term impact of climate change on power grids*, Under Review for Book Publishing at *IEEE and Wiley*, 2025.

In Preparation Publications

Journal Articles

- [1] **H. Anand**, "Multi-fidelity deep q-learning with action probing," Experiments and draft in preparation, 2024.
- [2] **H. Anand**, N. Alemazkooor, and M. Shafiee-Jood, "Evaluating evacuation effectiveness and community behavior in successive similar trajectory hurricanes via mobility data," Analysis and draft in preparation for submission to *Natural Hazards Review*, 2024.
- [3] **H. Anand**, E. Cook, W. Watson, and N. Alemazkooor, "Evaluating energy utilization patterns for policy development towards equity," Analysis and draft in preparation for submission to *Nature Communication*, 2024.
- [4] **H. Anand** and M. Darayi, "Infrastructure systems resilience using machine learning techniques: A literature review," Draft in preparation for submission to *Sustainability*, 2024.
- [5] **H. Anand**, K. Khayambashi, M. Taghizadeh, M. Shafiee-Jood, M. A. Hasnat, and N. Alemazkooor, "Graph neural network applications in foundational physical infrastructure systems: A review," Analysis and draft in preparation for submission to *Nature Cities*, 2024.
- [6] **H. Anand**, L. Liu, N. Alemazkooor, and M. Shafiee-Jood, "Residents' perception on the role of generative ai to inform personalized evacuation decisions during future hurricanes," Analysis and draft in preparation, 2024.
- [7] E. Mohellebi, **H. Anand**, M. Darayi, and A. Negahban, "Developing and evaluating an integrated mobility and epidemic vulnerability index via network analysis," Draft in preparation for submission to *PLOS One*, 2024.

Presentations

Upcoming Presentation

- [1] **H. Anand**, *Framework for testing and evaluating ai-enabled intelligent transportation systems: Advancing safety and trustworthiness*, Technical Presentation, ITE 2025 Joint International and Florida Puerto Rico District Annual Meeting and Exhibition, Orlando, Florida, August, 2025.

Technical Presentation

- [1] **H. Anand**, *Examination of community responses to hurricane evacuation orders using high-fidelity mobility data*, Technical Presentation, SERC Doctoral Student Forum, SERC 2024 Annual Meeting, Washington DC, November, 2024.
- [2] **H. Anand**, M. Shafiee-Jood, and N. Alemazkoo, *Evaluating the effectiveness of hurricane evacuation orders by leveraging large-scale human mobility patterns*, Technical Presentation, Response and Recovery to Disasters and Disruptions, INFORMS 2023 Annual Meeting, Phoenix, October, 2023.
- [3] **H. Anand**, M. Shafiee-Jood, and N. Alemazkoo, *Perspicacity of evacuation behavior in communities during hurricanes using large-scale mobility patterns and communal characteristics*, Technical Presentation, Applied Machine Learning, 2023 57th Annual Conference on Information Sciences and Systems (CISS), Baltimore, March, 2023.
- [4] **H. Anand**, M. Shafiee-Jood, M. Rouhi Rad, and N. Alemazkoo, *Evacuation order effectiveness and community behavior: Enabling strategic data-driven decision making through big data*, Technical Presentation, Machine Learning Applications and Data-centric AI, INFORMS 2022 Annual Meeting, Indianapolis, October, 2022.
- [5] **H. Anand** and M. Darayi, *A probabilistic approach to modeling power network component importance considering economic impacts*, Technical Presentation, Data and System Analytics Application II, IISE 2021 Annual Meeting, May, 2021.
- [6] **H. Anand** and M. Darayi, *A review on energy infrastructure resilience: Modeling, metrics and data analytics*, Technical Presentation, Energy Infrastructure Resilience and Economic Impacts, INFORMS 2021 Annual Meeting, October, 2021.
- [7] **H. Anand** and M. Darayi, *Modeling and analyzing energy infrastructure resilience considering economic impact*, Technical Presentation, Equilibrium Modeling of the Environmental and Institutional Aspects of Interregional Electricity Trade, INFORMS 2020 Annual Meeting, November, 2020.

Poster Presentation

- [1] **H. Anand**, M. Shafiee-Jood, and N. Alemazkoo, *Evacuation order effectiveness and community behavior: Enabling strategic data-driven decision making through big data*, Poster Presentation, U.S. Environmental Protection Agency International Decontamination Research and Development Conference, Charleston, December 2023 (**Best Poster Winner Award**), 2023.
- [2] **H. Anand** and N. Alemazkoo, *Enabling causal study of evacuation orders effectiveness through big data*, Poster Presentation, Link Lab - UVA Engineering Poster and Flash Talk, Charlottesville, February 2022, 2022.
- [3] **H. Anand**, *Modeling and analyzing energy infrastructure resilience considering economic impact*, Poster Presentation, Penn State Poster Competition, Malvern, PA, 2020, 2020.
- [4] **H. Anand**, R. Sharma, and A. Mungee, *Projecting patterns with causal influences in a dynamic ecosystem for retail sales forecasting*, Poster Presentation, Penn State Poster Competition, Malvern, PA (**Runners Up Award**), 2020, 2020.
- [5] A. Mani, **H. Anand**, and A. Venkata, *A qualitative study of multi-channel marketing campaigns using market mix modeling*, Poster Presentation, Penn State Poster Competition, Malvern, PA, 2020, 2020.

Invited Talks

- [1] **H. Anand**, *Demands of good research and how has ai impacted research?* Invited Talk, Ramanujan Society of Research, Indian Institute of Technology Madras, Feb. 2025.
- [2] **H. Anand**, *Pioneering transporation innovation through ai-driven solutions*, Invited Talk, Session: From Concept to Reality: Generative AI in the Transportation Industry, Gen AI in Transportation Workshop, ASCE AI in Transportation Committee, Maryland, Mar. 2025.
- [3] **H. Anand**, *Enabling causal study of evacuation orders effectiveness through big data*, Invited Talk, Environmental Futures Forum, Energy Resilience Institute, Charlottesville, Oct. 2022.

Professional Engagement

- 03/2025 ▶ *Chair and Moderator, Discussion – ASCE Gen AI in Transportation Workshop*
Led group discussions with attendees from US DOT, State DOTs, academia, industry, and transportation agencies on AI research gaps and training needs in transportation.
- 01/2025 ▶ *Chair and Facilitator, AI Standards Engagement Session – 2025 TRB Annual Meeting*
Organized and led an invite-only session with stakeholders from State DOTs, academia, and transportation agencies to discuss challenges and opportunities in deploying AI systems in transportation.

Teaching Experience

University of Virginia

- Spring 2024 ▶ *Co-instructor – School of Data Science (DS 4002: Data Science Projects)*
- Fall 2023 ▶ *Co-instructor and TA – School of Data Science (DS 4002: Data Science Projects)*
- Spring 2023 ▶ *Teaching Assistant – School of Data Science (DS 6030: Statistical Learning)*
- Fall 2022 ▶ *Teaching Assistant – School of Data Science (DS 4002: Data Science Projects)*
- Summer 2022 ▶ *Teaching Assistant – School of Data Science (DS 6030: Statistical Learning)*
- Spring 2022 ▶ *Teaching Assistant – School of Data Science (DS 6030: Statistical Learning)*

Manipal University

- Spring 2014 ▶ *Academic Assistant and Tutor - Dept. of I&CT (Data Structures and Algorithms)*

Student Mentorship and Advising

- Spring 2024 – Present ▶ *Eli DeMars Cook – Undergraduate Researcher, University of Virginia*
Walker Watson – Undergraduate Researcher, University of Virginia
Supervising on the research titled “*Evaluating Energy Utilization Patterns for Policy Development Towards Equity*”. Providing guidance on research design, data analysis, and presentation of results.
- Fall 2024 – Present ▶ *Namratha Bolar – Graduate Research Assistant, Penn State University*
Supervising the research titled “*Infrastructure Systems Resilience using Machine Learning Techniques*”, focusing on understanding resilience capabilities through case analysis of ML applications in monitoring, predicting, and enhancing critical infrastructure performance.
- ▶ *Gowtham Pradeep – Graduate Research Assistant, Penn State University*
Supervising the research titled “*Freight Transportation Resilience under Disruption Scenarios*”, aimed at uncovering systemic vulnerabilities and adaptive capacities in multimodal freight networks. Guiding the use of data-driven methods to assess disruption impacts, evaluate mitigation strategies, and support resilience-informed planning.
- Spring 2023 – Fall 2023 ▶ *Yuanzhan Gao – Undergraduate Researcher, University of Virginia*
Hannah Palmer – Undergraduate Researcher, University of Virginia
Samiya Ahmed – Undergraduate Researcher, University of Virginia
Khwanjira Phumphid – Undergraduate Researcher, University of Virginia
Supervised the project titled “*Collection and Validation of Hurricane Evacuation Orders in the United States*”, guiding the end-to-end software development, data validation workflows, and creation of visualization tools to support nationwide emergency response analysis.

Awards & Fellowships

- 2024
 - ▶ Robert T. Ferguson III Memorial Award (*Outstanding academic performance*)
 - ▶ Outstanding Graduate Teaching Assistant Award
 - ▶ Raven Award (*Highest honor that the Raven Society can bestow*)
- 2023, 2024
 - ▶ Nominee (top 5% among 800+ TAs across UVA) for Graduate Teaching Award
- 2023
 - ▶ Olsen Graduate Fellowship (*Endowed Fellowship*)
 - ▶ Louis T. Rader Outstanding Graduate Service Award
 - ▶ Pete Cone Memorial Scholarship
- 2022 – 2023
 - ▶ International Student Citizen Leaders Fellowship
- 2022
 - ▶ Link Lab Flash Talk Award
- 2021, 2022
 - ▶ INFORMS ORMS Tomorrow Conference and Travel Award
- 2021
 - ▶ Outstanding Student Award in Data Analytics, Penn State University
 - ▶ Penn State Valedictorian, Class of 2021
 - ▶ The Web Conference 2021 Student Scholarship
- 2020 – 2021
 - ▶ Warren V. Musser Fellowship in Entrepreneurial Studies
- 2019 – 2020
 - ▶ Penn State Chancellor's Scholarship (*Merit Award*)
- 2011 – 2015
 - ▶ AICTE Scholarship (*Tuition Waiver*), Manipal University

Competitions

- 2023
 - ▶ *Winner* – Best Poster Award Competition @ 2023 U.S. EPA Decon Conference
- 2022
 - ▶ *Winner* – Freestyle O.R. Supreme Case Competition @ 2022 INFORMS
 - ▶ *Finalist* – Duke-UNC-TMC Consulting Case Competition
- 2021
 - ▶ *Winner* – Freestyle O.R. Supreme Case Competition @ 2021 INFORMS
 - ▶ *Finalist* – Mentor and Participant - 2021 Nittany AI Challenge
 - ▶ *Third Place* – Innovation Design Competition @ 2021 IISE
- 2021, 2020
 - ▶ *Best Student Pitch* - Lion Cage: Annual competition for early-stage entrepreneurs
- 2020
 - ▶ *Winner* – Freestyle O.R. Supreme Case Competition @ 2020 INFORMS
 - ▶ *Judge and Moderator* - Smart India Hackathon - Sentiment Analysis of Code-Mixed Languages
 - ▶ Placed in *top 10%* for prototyping Video-To-Text Summarizer - 2020 Nittany AI Challenge
 - ▶ *Runner's Up* - Penn State Poster Competition - Retail Sales Forecasting
- 2019
 - ▶ *Winner of Wawa* - HCL Hackathon: Sales forecasting for Wawa using LSTM and Prophet
- 2010
 - ▶ Ranked *top 1%* in 4th International Math Olympiad and 13th National Science Olympiad

Leadership

University of Virginia

- 2023 – 2024
 - ▶ *Chair* - Graduate Engineering Student Council, University of Virginia
 - ▶ *Chair* - Systems Engineering Student Advocacy Committee, University of Virginia
 - ▶ *Treasurer and Livability Chair* - Link Lab, University of Virginia
 - ▶ *Selection Chair* - Engineering School, Raven Society
 - ▶ *Senior Advisor* - Graduate Consulting Club, University of Virginia
- 2021 – 2023
 - ▶ *VP of Projects* - Graduate Consulting Club, University of Virginia
- 2022 – 2023
 - ▶ *Chair (Interim)* - Graduate Engineering Student Council, University of Virginia
- 2022 – 2022
 - ▶ *Vice-Chair* - Graduate Engineering Student Council, University of Virginia
- 2022 – 2023
 - ▶ *Livability Liaison* - Link Lab, University of Virginia
- 2021 – 2023
 - ▶ *International Student Chair* (ESE Graduate Student Council), University of Virginia

Leadership (continued)

Penn State University

- 2019 – 2021 ▶ *Student Senator - School of Graduate Professional Studies, Penn State University*
- 2020 – 2021 ▶ *Global Programs Senate Committee, Penn State University*

Manipal University

- 2012 – 2015 ▶ *Student Council and Curriculum Change Committee, Manipal University*
- ▶ *Class Representative, Manipal University*

Others

- 2009 – 2019 ▶ *Educator for Non-profit, Chala Janjatiya Vikas Sanstha*

Professional Services

Organizer

- 2025 (Upcoming) ▶ *Session Organizer - Advancing Safety with Responsible AI - 2025 ITS World Congress*
- 2024 ▶ *Technical Program Committee - IEEE SIEDS Conference*

Session Chair

- 05/2024 ▶ *Systems and Information Engineering Design Symposium (SIEDS)*
Sessions Chairing Chair: Leading and overseeing all session chairs
- 10/2023 ▶ *2023 INFORMS Annual Conference*
TA16. Response and Recovery to Disasters and Disruptions
- 2021 ▶ *2021 Complex Adaptive Systems Conference*
Session 4: System Analysis
Session 7: Applications of AI
Session 11: Data Science and Analytics

Judge

- 2024 ▶ *HooHacks - University of Virginia Computer Science Hackathon*
- 2020 ▶ *Smart India Hackathon - Sentiment Analysis of Code-Mixed Languages*

Reviewer

- ▶ *Transportation Research Record: Journal of the Transportation Research Board (TRR)*
- ▶ *Social Network Analysis and Mining, Springer Nature*
- ▶ *PLOS One*
- ▶ *BMC Medical Informatics and Decision Making*
- ▶ *International Journal of Medical Informatics*
- ▶ *IEEE International Conference on Systems, Man, and Cybernetics (SMC)*
- ▶ *Transportation Research Board (TRB)*
- ▶ *Digital Transformation and Society*
- ▶ *US Research Software Engineer Association*
- ▶ *IEEE Intelligent Transportation Systems Society*

Others

- 2022 – 2024 ▶ *Editorial Board Member - OR/MS Tomorrow, INFORMS*
- 2023 ▶ *Program Committee Member and Reviewer - Manuscript and Posters, US-RSE Conference*
- ▶ *Professional Studies Advocacy (through promo videos) for US Dept. of State, EducationUSA*

Professional Services (continued)

- 2022 ▶ Writer, eNews Daily and OR/MS Today Coverage - *INFORMS 2022 Annual Meeting*
- 2021 – 2022 ▶ Webmaster - *OR/MS Tomorrow, INFORMS*
- 2021 ▶ Facilitator, Energy & Infrastructure - *INFORMS 2021 Annual Meeting*

Miscellaneous Services

University of Virginia

- 2023 – 2024 ▶ Core Member - Student Health Advisory Committee, University of Virginia
- 2023 ▶ Waste Action Planning Committee, University of Virginia
- 2022 ▶ Honor and Academic Integrity Committee, University of Virginia
- ▶ Faculty Search Committee, ESE Dept., University of Virginia
- Summer 2022 ▶ K-12 Outreach - *Starr Hill Pathways Program*, UVA Equity Center

Media & News Coverage

- ▶ Featured in *UVA Today* – How Hurricanes in the Gulf Trigger Storms in VA and NC [🔗](#)
- ▶ Featured in *WVTF* – UVA Hopes to Improve Hurricane Evacuation Orders [🔗](#)
- ▶ Research Featured in *EurekAlert!* – First-Ever Hurricane Evacuation Order Database May Hold Keys to Future Readiness [🔗](#)
- ▶ Research Featured in *29News* – First-Ever Hurricane Evacuation Order Database Created by UVA [🔗](#)
- ▶ Research Featured in *Virginia Public Radio* – UVA Hopes to Improve Hurricane Evacuation Order [🔗](#)
- ▶ Research Featured in *Phys.org* – Q&A with the Creators of the Hurricane Evacuation Database [🔗](#)
- ▶ Featured in *UVA Engineering News* – First-Ever Hurricane Evacuation Order Database May Hold Keys to Future Readiness [🔗](#)
- ▶ Featured in *UVA Engineering News* – Why Gulf Hurricanes Threaten Virginia & the Southeast [🔗](#)
- ▶ Featured in *UVA Engineering News* – Engineering Grad Students Shine in Teaching Excellence Awards, Claiming UVA's Top Honors [🔗](#)
- ▶ Featured in *UVA Data Science News* – School of Data Science Celebrates Graduate Teaching Stars [🔗](#)
- ▶ Featured in *Penn State News* – Great Valley Data Analytics Students Win Wawa-HCL Hackathon [🔗](#)

Affiliations & Memberships

- ▶ The Intelligent Transportation Society of America (ITS America)
- ▶ Transportation and Development Institute, American Society of Civil Engineers (ASCE)
Technical Member, Data Sensing & Analytics Committee
- ▶ Transportation Research Board (TRB)
- ▶ Institute for Operations Research and the Management Sciences (INFORMS)
- ▶ Institute of Industrial and Systems Engineers (IISE)
- ▶ The Honor Society of Phi Kappa Phi
- ▶ Complex Adaptive Systems Conference
- ▶ The Raven Society - *The oldest and most prestigious honorary society at UVA*
- ▶ Sigma Xi, The Scientific Research Honor Society - *Intl. honor society of science and engineering*

References

- ▶ **Dr. Negin Alemazkoor**
Assistant Professor, Civil and Environmental Engineering
University of Virginia
E-mail: na7fp@virginia.edu
- ▶ **Dr. Majid Shafiee-Jood**
Research Assistant Professor, Civil and Environmental Engineering
University of Virginia
E-mail: ms2dm@virginia.edu
- ▶ **Dr. Mohamad Darayi**
Associate Professor, Systems Engineering
Pennsylvania State University
E-mail: mud415@psu.edu

- ▶ Industry references are available upon request.