Stanford

Aadesh Salecha

Masters Student in Computer Science, admitted Autumn 2024

Bio

BIO

Aadesh Salecha is a computer scientist who works on integrating Artificial Intelligence and Psychology. He graduated from the University of Minnesota, where he worked with Prof. Jaideep Srivastava on misinformation spread and its mitigation mechanisms. At Stanford, he works with Prof. Johannes Eichsteadt on using cognitive psychology and psychometrics to understand bias development in Large Language Models. He is also collaborating the effort on the creation of new-age psychological interventions using AI to democratize access and improve personalization and retention. His work is focused on using computational methods for societal good by facilitating the measurement and causal analysis of population health metrics like drug abuse, subjective-wellbeing, etc.

Publications

PUBLICATIONS

- **A computational model of reward learning and habits on social media.** *Nature communications*
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- **No Good Time to Negotiate? Effective Track Two Dialogue in Protracted Israel-Palestine Conflict Escalation** *CONFLICT RESOLUTION QUARTERLY*
  Fink, O., Graf, W., Subrahmanya, S., Salecha, A., Eichstaedt, J. C.
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- **Monitoring the opioid epidemic via social media discussions.** *NPJ digital medicine*
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- **Large language models display human-like social desirability biases in Big Five personality surveys.** *PNAS nexus*
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- **Influence of emotions on coping behaviors in crisis: a computational analysis of the COVID-19 outbreak** *JOURNAL OF COMPUTATIONAL SOCIAL SCIENCE*
  Xu, H., Sudheendra, S., Huh, J., Salecha, A., Srivastava, J.
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- **The Language of Conflict Transformation: Assessing Psychological Change Patterns in Israeli-Palestinian Track Two Interactive Problem Solving** *NEGOTIATION AND CONFLICT MANAGEMENT RESEARCH*

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