Raj Sanjay Shah

MS in Computer Science (Aug 2021 - May 2023) at Georgia Institute of Technology || [US Citizen]

Recent Updates: Received the Donald V Jackson Fellowship Award

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About me

Second year graduate student at Georgia Institute of Technology. Interested in building scalable natural language processing models for social good. Actively working on AI for Mental Health and Adversarial Question Authoring. Skilled in C++, Python, JAVA, Hadoop, Natural Language Processing, Machine Learning algorithms, and Data Structures.

Education

Aug 2021 – Ongoing	**Georgia Institute of Technology** *MS in **Computer Science** (GPA: 4.0/ 4.0, Intended Specialization: Machine Learning)*
Aug 2017 – Jul 2021	**Birla Institute of Technology and Science, Pilani, India** *Bachelor of Engineering in Computer Science (CGPA: 8.54 / 10)* *Minor in Data Science (Minor GPA: 9.8 / 10)*

Work Experience

May 2022 – Aug 2022	**Epic Systems -** *Software Developer - ML Intern* Trained Large Language Models to predict workflow actions of Health Care Providers with the goal of bringing relevant patient information to the Provider Dashboard on-the-fly.
Jan 2021 – Jun 2021	**JPMorgan Chase -** *Software Development Intern* Worked in the Merchant Services team on developing automated testing scripts for the onboarding platform using the postman tool.
May 2020 – Jun 2020	**Samsung R&D Institute, India -** *Research Intern* Developed a bidirectional Long-short term memory based variable autoencoder to generate melody and chords for piano music as a part of the User-Experience: Ringtone project.

Ongoing Research Projects

May 2021	**Professor Jordan Boyd-Graber -** *Research Intern at University of Maryland, College Park* QAML (Question-writing Aided by Machine Learning) is an interface for adversarial question-writing enhanced by the QANTA QA dataset.
Aug 2021	**Professor Diyi Yang -** *Part of the SALT LAB at Georgia Institute of technology* - When FLUE (Financial Language Evaluation Understanding Benchmarks) meet FLANG (Financial Language Modelling) - Accepted at EMNLP 2022 - AI for Mental Health: Mapping proven psychology techniques to online peer-to-peer mental health platforms using language processing to determine properties of successful conversations for patient improvement. Accepted at CSCW 2022, Under Review at CHI 2023, CSCW 2023

Selected Publications

2022	1. **Shah, R. S.** *et al. Modeling Motivational Interviewing Strategies On An Online Peer-to-Peer Counseling Platform* in *Proceedings of the ACM on Human-Computer Interaction 6* (2022).
2021	2. **Shah, R. S.**, Bhatia, A., Gandhi, A. & Mathur, S. *Bitcoin Data Analytics: Scalable techniques for transaction clustering and embedding generation* in *2021 International Conference on COMmunication Systems NETworkS (COMSNETS)* (2021), 1–6.