Aneesha Sampath

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EDUCATION

University of Michigan, Computer Science & Engineering — Ann Arbor, MI — May 2028

Doctor of Philosophy, Artificial Intelligence

Carnegie Mellon University, School of Computer Science — Pittsburgh, PA — May 2023

Bachelor of Science in Artificial Intelligence, Language Technologies Concentration, Drama Minor — **GPA**: 3.69

Relevant Coursework: Multimodal Machine Learning, Introduction to Deep Learning, Machine Learning for Text & Graph-Based Mining

EXPERIENCE

CHAI Lab — Ann Arbor, MI — Aug 2023-present
Computer Science, University of Michigan

Graduate Research Assistant
- Emotion recognition from non-clinical speech data with applications to suicide-risk prediction

MultiComp Lab — Pittsburgh, PA — Aug 2021-June 2023
Language Technologies Institute, CMU

Research Assistant - Core Lab Member
- Quantifying subjectivity uncertainty in affective computing tasks to recover annotation distributions from an averaged label
  - AAAI23-UDM Workshop Paper: “SeedBERT: Recovering Annotator Rating Distributions from an Aggregated Label”
  - https://arxiv.org/abs/2211.13196

Microsoft — Mountain View, CA — May-Aug 2022

Applied Research Intern
- Developed two new pipelines (HTML mining-based and deep learning-based) for Bing’s search result title generation
  - Increased title quantity by 3%; increased title quality in 60% of new titles
- Designed a new dataset for deep learning-based title generation and evaluated on two baseline models

Microsoft — Redmond, WA — May-Aug 2021

Software Engineer Intern
- Designed and implemented (end-to-end) querying language which integrates internal monitoring tool into Jupyter Notebooks (C#)
- Feature reduced context switching & manual querying for almost every team at Microsoft using the services

Google, Inc. — New York, NY — May-Aug 2020

Software Engineer (STEP) Intern
- Developed open-source, full-stack web application from scratch (multiplayer Stock Market simulation game)
- Conceptualized and implemented end-to-end project as part of a self-directed team of three interns (Python)

PROJECTS

Multimodal Sarcasm Detector CMU - Multimodal Machine Learning Aug-Dec 2022

- Designed & implemented end-to-end deep learning model for multimodal sarcasm detection for semester-long project in Multimodal Machine Learning course as a part of a group of three (https://github.com/NehaNishikant/latr)
- Adapted visual-QA model for sarcasm detection; created symmetric attention block for vision and language modalities

Question & Answering System CMU - Natural Language Processing Aug-Dec 2020

- Designed & implemented end-to-end Question and Answering system for semester-long project in Natural Language Processing course as a part of a group of three (https://github.com/asam01/11411-QA-Project)
- Wrote question-asking system from end-to-end (Python, NLTK, spaCy)

ACTIVITIES

- **Bhangra Team,** Carnegie Mellon University, Captain Fall 2019-Spring 2023
- **All-University Orchestra**, Carnegie Mellon University, Concertmaster Fall 2019-Spring 2023
- **National Center for Women & Information Technology**, Volunteer Fall 2021-Spring 2023
- **Women@SCS**, Carnegie Mellon University, Mentor Fall 2019-Spring 2023