

# Anisha Mascarenhas

✉ anisha.m.197@gmail.com | 📧 anisham197 | 🌐 anishamascarenhas

## Education

### University of North Carolina at Chapel Hill

M.S. IN COMPUTER SCIENCE

Chapel Hill, NC

Jan. 2021 - Dec. 2022

- **Graduate Research Assistant** working with Prof. Colin Raffel (Fall 2021)
- Graduate Teaching Assistant for BUSI/COMP 488: Data Science in the Business World (Spring 2021)

### Ramaiah Institute of Technology

B.E. IN INFORMATION SCIENCE AND ENGINEERING

Bangalore, India

Aug. 2014 - Jun. 2018

- **Best Outgoing Student** for distinguished performance in Academics, Co-curricular & Extra-curricular activities.

## Experience

### LinkedIn

Bangalore, India

#### SOFTWARE ENGINEER, MACHINE LEARNING

Jul. 2018 - Nov. 2020

- Developed high precision spam classifiers for comments on LinkedIn Feed. Built a workflow to measure impact of spam classifier deployments on user experience.
- Conducted experiments to evaluate active learning techniques for labelled data collection for spam classification.
- Evaluated the explainability of spam classifiers using algorithms like LIME and SHAP.
- Developed a performance visualization tool for distributed ML models using Apache Kafka, Samza and Rest.li.
- Built extensions for Jupyter Notebooks that allow access to LinkedIn's internal ML libraries using IPython Magics.
- Built a workflow that helps maintain deployed spam classifiers at a high precision by recommending adjustments to classifier thresholds based on online performance.

#### SOFTWARE DEVELOPMENT INTERN

Jun. 2017 - Sep. 2017

- Worked on a research project for content classification using linguistic formality. Did a literature survey to identify features like cohesion characteristics. Conducted an ablation study over multiple features to identify the best performing model.
- Designed crowdsourcing data labelling tasks on Appen and implemented an end-to-end data processing pipeline.

## Projects

#### INDEPENDENT STUDY - UNC CHAPEL HILL

Jan. 2021 - Present

- Working with Prof. Colin Raffel on a research project to evaluate the factuality of text summarization models.
- Worked with Prof. Shashank Srivastava on a research project to evaluate the faithfulness of natural language explanations generated by an ML model using explainability tools.

#### UNDERGRADUATE SENIOR PROJECT - INDOOR POSITIONING USING WiFi FINGERPRINTING

Aug. 2017 - Jun. 2018

- Developed a ML model to use WiFi-fingerprints to identify an agent's location in an indoor environment.
- Built a web and mobile interface to allow users to create indoor maps, collect WiFi-fingerprint data, and train models for indoor positioning.

## Workshops

#### 2019 Speaker for Google Developer Groups Bangalore

Conducted hands-on workshops on Machine Learning, Neural Networks and Text Classification.

#### 2018 Developer Student Club Lead - Ramaiah Institute of Technology

Established the university's chapter of Google's Developer Student Clubs program. Organised orientations, technical workshops on Android and Machine Learning, hackathons and talks during the academic year.

## Skills

#### Programming Languages

Python, Java, Scala, JavaScript, C/C++,

#### ML Libraries & Distributed Frameworks

TensorFlow, Scikit-Learn, NLTK, Apache Hadoop, Apache Spark

#### Mobile & Web Frameworks

Android, Flask, Firebase, Express, Selenium