

# Sanjeev Penupala

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## EDUCATION

B.S. in Computer Science  
**The University of Texas at Dallas**

Expected May 2022

- GPA: 3.95/4.00
- Academic Excellence Scholarship recipient
- Dean's List Fall 2018, Spring 2019 (Top 10%)

## SKILLS

### Languages

Python Java Bash/Shell C++

C JavaScript MATLAB

### Frameworks

pandas scikit-learn Flask

Matplotlib

### Technologies

Git UNIX REST APIs Firebase

## ACCOMPLISHMENTS

- ACM Projects 2019: **1st Place**
- HackUTD Hackathon 2019: **2nd Place**
- T-Mobile Hackathon 2018: **Top 10 Finalist**

## COURSEWORK

C/C++ Programming in a UNIX Environment

Computer Architecture

Data Structures and Advanced Algorithms

Discrete Mathematics

Introduction to Machine Learning

Linear Algebra

Probability and Statistics in CS

Software Engineering

## WORK EXPERIENCE

Undergraduate Student Researcher  
**NSF REU at the University of North Texas**

May 2020 - August 2020

- Tools - Python, Matplotlib, pandas, scikit-learn, Doccano
- Engineered a 3-layered classification pipeline, boosting the accuracy of 7 classifiers from 80% to 95% for identifying argumentation in legal corpora
- Oversaw dataset quality control by remodeling annotation guidelines, increasing annotator agreement by over 40%
- Optimized data cleaning scripts, by using **Mathplotlib**, to identify and graph 700+ conflict labels and remove for re-labeling

## PROJECTS

HashPost  
**Social Media App**

- Tools - Python, Flask, Flutter, Firebase, Imagga API, Hashtagify API
- Mobile app that generates hashtags and captions for social media posts
- Developed algorithm for generating unique URLs for images uploaded by users
- Created tagging system that identifies objects in images and generates trendy hashtags

DormDash  
**Food Delivery Service**

- Tools - Java, HTML, CSS, Google Maps API
- Food delivery service tailored for restaurants located on college campuses
- Designed UI of the website presented in front of 500+ judges & developers

## ORGANIZATIONS

Director of Operations & Industry  
**Artificial Intelligence Society**

May 2020 - Present

- Training and supervising the Operations and Industry teams
- Collaborating with other CS organizations to lead & host industry events
- Managing administrative logistics for all virtual student events
- Connecting with industry professionals to find sponsors for HackAI hackathon

Project Manager  
**Association for Computing Machinery - Projects**

December 2019 - Present

- Leading small team of students to plan and develop a custom software product
- Teaching Agile methodologies to improve efficiency and promote collaboration
- Coaching team with industry insights for pitching their product to investors
- Hosted and organized a workshop on regex and REST APIs