Pranjal (Pax) Gole
Junior at the University of Texas at Dallas

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Education

UNIVERSITY OF TEXAS AT DALLAS, Richardson, Texas   *2020 – 2024*
    Bachelor of Science in Computer Science

ALLEN HIGH SCHOOL, Allen, Texas   *2017 – 2020*
    High School Diploma

Technical Skills

LANGUAGES	:	Python, Bash, JavaScript, Processing, Rust, Golang, C, C++, Java
RELEVANT COURSEWORK	:	Computer Architecture, Data Structures and Algorithms I & II, Systems Programming and Unix with C/C++, Probability and Statistics, Discrete Mathematics I & II, Database Systems, Digital Logic and Computer Design, Programming Language Paradigms

Work Experience

Machine Learning Labs Intern @ CodeDay   *June 2022 - August 2022*

- Selected for a Machine Learning project team mentored by a Senior ML Engineer
- Trained Question Generation and Answering models using transformers
- Built webapp frontend in JavaScript and backend using Flask to give users easy access to models

Skills: Machine Learning, Collaborative Coding, Time Management, Jupyter

Whole Foods/Amazon Prime Shopper   *November 2020 – September 2021*

- Carefully picked and packed groceries for online customers for delivery and pickup
- Assisted customers with selection and order management
- Maintained a clean and fast-paced working environment for customers and picking team

Skills: Attention to detail, Product and Pricing knowledge, Time Management, Customer Service

Projects and Extracurriculars

Question Generation (CodeDay Internship)   *June 2022 - August 2022*

- Developed a Question-Answer Flashcard generation program in Python
- Trained a T5 Question Generation model and BERT Question Answering model to work in tandem
- Integrated models into web application's backend server using Flask

Skills: Natural Language Processing, PyTorch, JavaScript, Flask, Text-to-Text Generation, Neural Networks, Transformers

Association for Computing Machinery at UT Dallas – Projects   *September 2021 – November 2021*

- Part of 40 chosen from pool of 500 applicants for the Fall 2021 cohort of 'ACM UTD Projects'
- Worked on backend team to match users with furniture from various vendors based on color and style preferences
- Implemented using Node.js, Express for communication with Frontend, and MongoDB for user database
- Aggregated data from a variety of external APIs and custom-built Web Scrapers and filtered by preferences

Skills: General Web Development, Node.js and Express, MongoDB, APIs, Postman, Web scraping

Association for Computing Machinery at UT Dallas – Research   *February 2021 – May 2021*

- Part of ACM UTD's Research program, working with a team of peers under a faculty advisor and graduate student
- Analyzed 150+ civilian accounts from the Civil War to interpret social patterns and changes by demographics
- Extracted various scores including author sentiment, reading ease, topics in the text, and relevant n-grams
- Collected and visualized extracted findings using Matplotlib
- Presented research methodology and findings via research poster for judging by professors in the field

Skills: Natural Language Processing, Data Visualization, Web Scraping, Git, Research Design and Presentation