

CHOUDHRY ABDULLAH

✉ cabdulla@trinity.edu [in Choudhry347](https://www.linkedin.com/in/Choudhry347) [g Choudhry18](https://github.com/Choudhry18)

Education

Trinity University

May 2025

Major: Computer Science

GPA: 3.84

- Algorithms, Data Abstraction, Big Data and Machine Learning, Functional Programming, and Web Application Design
- Dean's List Fall 2022, Spring 2023 and Fall 2023

Experience

Web Development Intern

September 2023 (Present)

Strategic Communication and Management - Trinity University

- Worked closely with the web development team to conceive, develop, and maintain Drupal-based webpages.
- Played a key role in configuring and customizing modules, themes, and templates to align with project requirements.
- Managed the seamless transition of over 4000 webpages from Drupal 9 to Drupal 10, ensuring all pages were updated to the latest standards.

IT Analyst

October 2022 (Present)

Information Technology Services - Trinity University

- Communicating the issues and IT concerns of the Trinity community to the back end ITS staff.
- Troubleshooting and solving various IT issues on different campus locations

Tutor

September 2023 (present)

Association for Computing Machinery

- Demonstrated expert understanding of coursework, providing clear and effective tutoring **8hr/week** to students.

Tour Guide

September 2023 (present)

Trinity University - Admissions

- Showcased robust public speaking and presentation abilities to engage diverse audiences during 50+ tours.
- Provided personalized insights and recommendations to address visitor inquiries and concern.

Personal Projects

Research: Hate Speech Detection for Resource Poor Languages

August 2023

- Formulated a research project with Dr. Eva Tuba to research Hate Speech Detection for resource poor languages.
- Implemented and fine tuned MuRil -a Large Language Model based on Transformer architecture using pyTorch.
- Collected and Cleaned a corpus of **5000** Urdu Tweets using web scrapping - Scrapy.
- Model achieved F1 score of **92.34** on Hate Detection Task.

Digit Recognition Model - [LINK](#)

September 2023

- Implemented a Naive Bayesian Classifier in Haskell to classify handwritten digits with **85%** accuracy.

Class Schedule Calendar - [LINK](#)

August-September 2023

- Devised a program to create calendar events from an input of a picture of a student's schedule for **2500+** students.
- Implemented Tesseract - an Optical Character Recognition Model - to detect calendar events.
- Integrated the script with React for user friendly interface.

Open Domain Question Answering System

August-November 2021

- Invited to present the machine learning model at **AI Journey Conference 2021** in Moscow, Russia.
- Model achieved **22.4 %** accuracy on the AIIJC 2021 NLP track.
- Implemented a model based on BERT using NumPy, Pandas and Tensorflow libraries.

Technical Skills

Languages: Proficient: JavaScript/TypeScript, Python, SQL, Java, Haskell, C, C++ and Scala **Basic:** MIPS Assembly

Tools: HTML, CSS, React, GitHub, LaTeX, Anaconda, Microsoft Office

Libraries/Frameworks: React, TensorFlow, Keras, Pandas, Django, Numpy, Tesseract, Scrapy

Interests

Film Photography, Competitive Programming and Squash