

# Alekhyaa Donthireddy

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## EDUCATION:

University of Texas at Dallas

August 2021 - December 2024

*B.S Computer Science*

GPA: 3.9

**Honors:** Dean's List, Academic Excellence Scholarship

**Relevant Coursework:** Linear Algebra, CS II (Java), Discrete Math II, Statistics in CS, Computer Architecture, Data Structures/Algorithms, Software Engineering, Unix/Linux, Database Management Systems, Advanced Algorithms

## TECHNICAL SKILLS:

*Programming Languages:* HTML, CSS, C/C++, Java, JavaScript, Python, R, SQL

*Environments/Frameworks:* MS Visual Studio, Figma, Git, React Native, Matplotlib, Pandas, Jupyter Notebooks

*Business Tools:* Microsoft Office, G Suite, WordPress, MS Azure Databricks, PowerBI

## WORK EXPERIENCE:

**Digital Operations Intern - Helmerich & Payne**

May 2023 - August 2023

- ❖ Created data visualization programs in Python and R to display and analyze anomalies/similarities of backouts for 30+ rigs
- ❖ Pulled 1 second rig data over 24-hour periods for 200+ tags from Azure Databricks using SQL queries
- ❖ Presented data analysis projects, drawn conclusions, and overall experience at end of internship

**Web Developer Intern - Allen Americans Professional Hockey**

October 2022 - June 2023

- ❖ Launched 10+ new pages for the Allen Americans Red Lamp Foundation's website using WordPress's software
- ❖ Utilized Agile/Software Development Cycle methodologies while communicating and getting feedback from client

## PROJECTS:

**Drilling Performance Data Visualizer** | Helmerich & Payne

May 2023 - August 2023

*Skills: Python, SQL, Azure*

- ❖ Implemented connection from Azure Databricks to display recorded data from oil rigs in 4 different regions
- ❖ Improved visualization rate from previous software by **over 50%** and allowed for file extraction of data pulled with SQL
- ❖ Applied several data visualization Python libraries to customize graphs and included features that enhanced usability

**Cuisine Avengers** | WEHack UTD

February 2023

*Skills: Javascript (React Native), Figma*

- ❖ Developed an application in 24-hours for users to view and search for recipes from across the globe with a team of 4
- ❖ Replicated original UI designs made with Figma into a React Native application with an integrated API from Tasty

**IRC ChatBot** | Academic

September 2022 - October 2022

*Skills: Java, JSON*

- ❖ Consumed two RESTful APIs (OpenWeatherMap and FruityVice), parsed JSON response using Java to display results in a user friendly, human-like text format, and employed Java Chatbot to enable user to text messages in real time using PircBot

## ORGANIZATIONS/LEADERSHIP:

**Director - Ladies in Technology Mentoring Program**

October 2023 - present

- ❖ Lead an academic/career development program that connects freshmen mentees with upperclassmen mentors and hosts professional development workshop events for 60+ members

**Treasurer - Women Who Compute**

December 2022 - present

- ❖ Managed and created annual budget of \$2,000, allocating club funds for events, activities, and supplies
- ❖ Participated in a weekly meeting alongside 9 officers to cultivate an inclusive environment that uplifts women in Tech