

# Ritvik Thota

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## EDUCATION

**Bachelor of Science, Computer Science**  
**The University of Texas at Dallas,**

August 2022 - May 2026  
Richardson, TX

Relevant Coursework: Data Structures and Algorithms, Software Engineering, Database Systems, Operating Systems

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, MySQL, NoSQL, PHP

**Tools:** Git, Docker, Jira, Linux, Matplotlib, NumPy, Pandas, OpenCV

**Software/Web Development:** HTML, CSS, JavaScript, ReactJS, Angular, Svelte, Cloud Computing, Node.js, Express.js, TypeScript, Firebase, Docker, Microsoft Azure, REST API, Unit Testing, Agile, PowerBi, .NET

## WORK EXPERIENCE

**Rush Committee Member, Theta Tau Alpha**

July 2024 – Present

- Participated in a rush committee with other rush committee members and rush committee director.
- Planned upcoming rush events to ensure an effective rush week for the upcoming semesters.

**Industry Coordinator, Theta Tau Alpha**

October 2023 – May 2024

- Coordinated with 3-5 companies and professionals in the industry for any collaborations during the semester
- Participated in an industry committee with another industry coordinator and an industry director.
- Organized events to help the members get professional advice in the engineering and computer science industries.

**UT Design Studio, Richardson, TX – Software Developer**

August 2023 – December 2023

- Worked with UTD Comet Cupboard to work on their inventory system and web application for 1,000 UTD students, workers, and volunteers to use each semester and ran the application in a Docker environment.
- Developed the Login and Shopping Cart pages in Svelte for users to access when logging on.
- Created an Inventory system in JavaScript to see what items are available in the Comet Cupboard.
- Implemented a North Texas Food Bank form in Svelte for students to fill out each semester they access the cupboard.

## PROJECTS

**Athlima, Personal**

December 2022 – Present

- Built a sports oriented social media platform where users can make sports predictions for different matches, communicate with fans all over the world, take part in polls, get access to news and match highlights.
- Incorporated HTML/CSS, JavaScript, Node.js, Express.js, REST API, and Firebase.
- Implemented authentication pages using React.

**Fake Job Posting, Theta Tau Alpha**

March 2024 – May 2024

- Detected which job postings are fake or real.
- Performed data cleaning using Pandas to fix bad data such as salary range.
- Constructed a decision tree model to identify the fake jobs with a dataset with an accuracy of 97% and f1 score of 77%.
- Utilized Python, Jupyter Notebooks, and Pandas to perform the data manipulation.
- Used Matplotlib to create bar graphs on the number of fake and real jobs in the dataset.

**NotePal, Theta Tau Alpha**

October 2023 – January 2024

- Engineered a note sharing application for UTD students where users can upload notes based on class, major, professor, or section which increased student content engagement by 20%.
- Worked on front end to develop the home page and about page using React and JavaScript.
- Utilized Node.js and Express.js for backend and SQL for the database.

## AWARDS & HONORS

BPA Presentation Team, UT Dallas

May 2024

BPA Python Programming (1<sup>st</sup> place), UT Dallas

March 2024

BPA Website Design Team State (1<sup>st</sup> place), UT Dallas

March 2023

## CERTIFICATIONS

Advanced Software Engineering Job Simulation, Walmart

June 2024

Generative AI Fundamentals, Databricks

June 2024

IT Specialist – Python, Certiport

May 2024

Excel Essential Training, LinkedIn

November 2023