

Alekhya Donthireddy

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EDUCATION:

University of Texas at Dallas

August 2021 - December 2024

B.S Computer Science

GPA: 3.96

Honors: Dean's List, Academic Excellence Scholarship

Relevant Coursework: Software Engineering, Database Systems, Data Structures, Advanced Algorithms, Machine Learning

TECHNICAL SKILLS:

Programming: HTML, CSS, C/C++, Java, SpringBoot, TypeScript, React, Python, SQL

Applications: Jupyter Notebooks, Figma, Jira, Confluence, GitHub, GitLab, Azure Databricks, AWS

WORK EXPERIENCE:

Engineering Analyst | Goldman Sachs

February 2025 - Present

- ❖ Developed Java + Spring Boot microservices for financial data pipelines that automate fund accounting processes and reduce recurring manual ledger work by 30%
- ❖ Built React + TypeScript front-end dashboards that present core accounting insights, improve workflow visibility, and streamline daily review tasks
- ❖ Lead migration of 6+ internal accounting automations from a legacy on-premises ledger to AWS-based ledger services, improving scalability and reliability
- ❖ Wrote Python reconciliation scripts that compare 6500+ ledger entries with Data Lake datasets, enhancing data quality and introducing additional validation checks

Engineering Summer Analyst | Goldman Sachs

June 2024 - August 2024

- ❖ Developed a full-stack workflow dashboard application, streamlining efficiency of fund accounting processes by 25%
- ❖ Designed and demoed 10+ wireframe mockups with Figma to the fund engineering and accounting teams
- ❖ Implemented 4 services in Java and Spring Boot to systematically source data, optimizing API calls and performance
- ❖ Created a functional, user-friendly front end in React/TypeScript, improving cohesiveness and usability by 20%

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 to 30+ co-workers

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
- ❖ Implemented Agile methodologies, gathering crucial feedback that led to a 30% reduction in iteration time for updates

LEADERSHIP:

Director | Ladies in Technology Mentoring Program

October 2023 - December 2024

- ❖ Lead an academic/career development program connecting freshmen mentees with upperclassmen mentors for 4 semesters
- ❖ Hosted over 20 interactive professional development workshop events for 60+ members

Treasurer | Women Who Compute

December 2022 - May 2024

- ❖ Streamlined the organization's finances, ensuring budget adherence of \$2000 per year and proper allocation of resources
- ❖ Created an uplifting environment for 100+ members to connect through technical/networking workshops