

Ashwin Kolla

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Professional Experience

Target - Minneapolis, MN

July 2020 - Present

Software Engineer - Freight Finance

August 2021 - Present

Technology Leadership Program - Freight Finance & Digital Marketing

July 2020 - August 2021

- Collaborated in design and led implementation for a scalable, fault-tolerant app to provide freight move estimate data for data science teams to create financial forecast models of monthly spending
- Designed and implemented full stack feature using Kotlin, Kotest, Kafka, PostgreSQL, SpringBoot and React/Typescript to auto-assign freight invoices that failed systematic processing to the business team for manual intervention. Streamlined the previous process of manually exporting and assigning failed invoices
- Assisted in modernizing freight finance efforts by contributing to an invoice payment app which replaced a third party legacy system for automatically rating, estimating and paying freight invoices
- Created and published a multi-module library containing test utilities to allow other teams to efficiently write more effective and maintainable tests. Presented the library in the Transportation portfolio's biweekly tech talk event
- Built a synchronization feature that coordinated dependent cron jobs using Python, MongoDB, Oozie and Hive which aided in the successful go-live of a digital content optimization engine
- Mentored 4 junior engineers of varying backgrounds by coaching them during onboarding and supporting growth throughout their first year
- Presented to 50+ prospective students at Diversity in Tech recruiting event

BP - Houston, TX

May 2019 - August 2019

Software Developer Intern - Digital Security

- Designed and built web scraper using Python and AWS Lambda to detect sensitive BP information stored in public repositories
- Utilized Naïve Bayes machine learning algorithm to create classifier that reduced false positives by ~60%

Infinite Campus - Blaine, MN

January 2018 - August 2018

Software Engineer Intern - Data Science

- Refactored automated ETL process for collecting customer application usage data by implementing a bulk copy tool into a preexisting Python codebase which decreased execution time by ~75%
- Helped revitalize an internal app that displayed product usage tracking data by creating a Python DAG and utilizing Airflow to pull fresh data weekly which increased usage by 100%

University of Minnesota - Minneapolis, MN

September 2018 - May 2020

Undergraduate Teaching Assistant

- Teaching Assistant for Intro to Algorithms and Data Structures course taught in Java and Python
- Worked with other teaching assistants to efficiently run lab sessions of 30+ students

Personal Projects & Languages

Spotify Recommendation App, <https://github.com/ashwinkolla/spotify-backend>

- Creating a API service to provide recommendations based off a user's recently listened songs
- Utilized Spotify API, Kotlin, Ktor, SpringBoot and Gradle

Languages: Highly Proficient in **Kotlin, Python, SQL** Proficient in **Scala, Java**

Education

B.S. Computer Science, Mathematics Minor

Graduated with High Distinction May 2020

University of Minnesota-Twin Cities, College of Science and Engineering

Minneapolis, MN

Cumulative GPA: 3.93 / 4.0

Honors: Dean's List, 3M Scholarship, Presidential Scholarship, Donald L. Johnson Scholarship