

# Swayam Arora

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## EDUCATION

### University of Texas At Dallas

Bachelor of Science in Computer Science, GPA: 3.94/4.0

Richardson, TX

Aug. 2023 – May 2026

### Collin College

Computer Science, GPA: 4.0/4.0

Frisco, TX

Aug. 2023 – Dec. 2025

## EXPERIENCE

### Office of Information Technology Help Desk

University of Texas at Dallas

Oct. '23 – May '24

Richardson, TX

- Worked as part of the O.I.T. Help Desk Team to resolve 500+ weekly tickets regarding technology help requests, invalid login credentials, and authorization conflicts.
- Worked remotely and at the Campus Technology Desk to issue tickets and report outages through the Atlas Service Portal.

### Tecknowledgie

Private Consulting Firm

June '22 – Aug. '22

Tampa, FL

- Worked on the Middleware team in a live project to integrate weekly currency conversion and exchange rates.
- Acquired skills in writing basic SQL queries for database management and data retrieval
- Used Python to import .csv files and format data from the Bloomberg system.

## PROJECTS

### SpeakWise | Flutter, Dart, RapidAPI

Jan. '24 – May '24

- Created an interview preparation mobile application for college students to record and analyze audio.
- Used a collection of APIs such as flutter sound, speech-to-text, and sentimentAnalysis to provide users with personalized feedback on metrics like their tone, pace, and filler words.

### Autism Treatment Center Data Collection App | JavaScript, Typescript, Prisma

Jan. '24 – May '24

- Worked as a Project Manager to manage a team of 7 people with the EPICS organization and Autism Treatment Center of Dallas.
- Modeled Prisma relations in the database and updated the schema documentation for the upcoming team.

### FinWise | Python, Pandas, Matplotlib

Nov. '23 – Dec. '23

- Built a personalized financial advisor to provide user recommendations about their business's financial health.
- Conducted simulations on Employee Attrition database using the Random Forest Model with 87% accuracy.
- Leveraged Python libraries like Matplotlib and Pandas.

### FinTech Portfolio Optimization | Python, SciPy, Matplotlib

Aug. '23 – Nov. '23

- Placed 1st in FinTech's Fall 2023 Portfolio Optimization challenge generating a 30% annual return and Sharpe ratio of 1.15 using the Monte Carlo method.
- Employed SciPy's optimization module to generate the optimal portfolio weights.
- Used the Monte Carlo method to estimate the optimal return and risk of the possible portfolios.

### DonateAnyBook | HTML, CSS

June '20 – June '22

- Created a non-profit E-commerce dedicated to vending donated books to people across the city of Frisco.
- Managed the handling and selling of 300+ books on the website.

## TECHNICAL SKILLS

**Languages:** Java, SQL(PostgreSQL), HTML, CSS, Javascript

**Developer Tools:** Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Certifications:** CS50X-Harvard's Introduction to Computer Science, CS50P- Harvard's Introduction to Python, CS50B- Harvard's Computer Science for Business Professionals certification, and Cisco IT Essentials.

**Awards:** Dean's List Fall '23, Top Ten Frisco-isd High School Graduate, AP Scholar With Distinction, AP Capstone Diploma, Business Professionals of America Python Event- National Alternate, and RoundPier International Investment Competition-Second Place.