

# Manay Divatia

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## EDUCATION

**The University of Texas at Austin**, Austin, TX

August 2022 - May 2026

*Bachelor of Science, Computer Science*

**GPA:** 3.57

**Minor:** Business, McCombs

**Certificate:** Innovation, Creativity and Entrepreneurship, Bridging Disciplines Program

**Relevant Coursework:** Operating Systems, Data Structures & Algorithms, Computer Architecture, Machine Learning

## TECHNICAL SKILLS

**Languages:** Java, Python (pandas, TensorFlow), C, C#, SQL, Dart, R, HTML, CSS, Javascript (React.js, Node.js), Kotlin

**Products/Services:** MS Excel, Power BI, Tableau, Jira, AWS, Apache Airflow, Kubernetes, GCP, Docker

## EXPERIENCE

**Amazon**, Austin, TX

June 2025 - August 2025

*Software Development Engineer Intern*

- Created a new feature requiring full stack development in Typescript and Kotlin within the Devices organization
- Utilized Amazon's internal AI resources to help me with productivity in all aspects of my internship project

**MultiPlan**, Irving, TX

May 2024 - August 2024

*Information Technology Intern - Cloud*

- Optimized Azure infrastructure, helping to create 11 modules using Terraform for automated provisioning
- Improved 20+ Azure and AWS cloud infrastructure resources to better manage and run applications

**Innovate for Impact - Deck to Memo**, Frisco, TX

May 2023 - August 2023

*Software Engineering Intern*

- Built full-stack application that converts a company's pitch deck into a standard deal memo in 6 paragraphs
- Developed a website using Python with a Django web framework using Docker containerization
- Coordinated with 2 entrepreneurs to organize and carry out the entire project using an Agile framework
- *Skills used:* Python, Javascript, Django Framework, HTTP APIs, HTML

**Melo**, Frisco, TX

June 2022 - December 2022

*Software Engineering Intern*

- Spearheaded development of in-app notifications to increase engaged sessions per user from 1.2 to 4.5 per day
- Tested and resolved UI bugs through Dart and backend issues through Google Firebase for 1.3K users
- *Skills used:* Dart, Flutter, UI, Google Firebase

**MIT Beaver Works Summer Institute**, Cambridge, Massachusetts

July 2021 - August 2021

*Operations Team Leader - Remote Sensing for Disaster Response Course*

- Analyzed raster and satellite imagery through spatial data analysis using Python, pandas, sklearn, and PyTorch
- Developed machine learning model to identify damaged objects in satellite imagery with 76% accuracy

## PROJECTS

**FIN373 - Policy Research Laboratory - Tourism Prediction, Group Project**

April 2024

- Conducted analysis on the extent to which various factors can predict a country's tourism rates
- Employed regression analyses, k-means clustering, and network visualization in R

**Payback App, Group Project**

October 2023

- Developed an app that makes it easier to split costs from one receipt using image text recognition
- Utilized React Native for the front-end and Python, Flask, PyTesseract, and PyTorch for the backend

## LEADERSHIP

**Texas Business Analytics Association**, Austin, TX

March 2024 - Present

*Academic Director - Advanced Programming*

- Teaching data science classes weekly while guiding students through semester-long coding projects in Python
- Assisted in the development of the student organization's website