

Manay Divatia

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2026

Bachelor of Science, Computer Science

GPA: 3.52

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, scikit-learn, TensorFlow), C, C#, SQL, Dart, R, HTML, CSS, Javascript (React.js, Node.js)

Technical Skills: Object Oriented Programming, Machine Learning, MS Excel, Power BI, Tableau, Jira, Agile

EXPERIENCE

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 API, 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, iOS Development

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
- *Skills used:* Python, Pandas, Matplotlib, Neural Networks, Remote Sensing, Deep Learning

Pathful Connect (formerly Nepris), Plano, TX

May 2021 - June 2021

Software Development Intern

- Programmed help section for all event pages on website and updated notification system using Twilio REST API
- Collaborated with 10 developers and 2 product managers to take up and complete user stories for a sprint
- *Skills used:* C#, SQL, Front-End Development

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

- Facilitated and taught data science classes weekly while guiding students through semester-long coding projects
- Learned about data analytics and acquired technical skills in Python, Jira, Tableau, SQL, and ETL processes