

Manay Divatia

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EDUCATION

The University of Texas at Austin, Austin, TX

May 2026

Bachelor of Science, Computer Science

GPA: 3.38

Minor: Business, McCombs

Certificate: Innovation, Creativity and Entrepreneurship - Bridging Disciplines Program

Relevant Coursework: Operating Systems, Data Structures & Algorithms, Computer Architecture, HCI

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, Dart, R, HTML, CSS, C++, Javascript, Linux

Technical Skills: Object Oriented Programming, Machine Learning, MS Excel, UI Design, Power BI, Jira, Agile Methodology

Certifications: Bank of America Investment Banking, Cognizant Agile Methodology, JP Morgan Software Engineering

EXPERIENCE

Deck to Memo, Frisco, TX

May 2023 - August 2023

Software Engineering Intern

- Built a 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
- Resolved UI issues through Dart and backend issues through Google Firebase for 1.3K users
- Identified potential functionality bugs through user and code-based testing
- *Skills used:* Dart, Flutter, UI, Google Firebase, iOS Development

Pathful Connect (formerly Nepris), Plano, TX

May 2021 - June 2021

Software Development Intern

- Programmed the help section for all event pages on the Nepris website using .yaml files for 100,000+ educators
- Created a text messaging notification system using the Twilio REST API call in C#
- Collaborated with 10 developers and 2 product managers to pick up User Stories for a Sprint
- *Skills used:* C#, SQL, Front-End 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, and sklearn
- Utilized and responded to simulated hurricane data to minimize displacement of simulated citizens
- Developed a machine learning algorithm to identify destroyed objects in satellite imagery with 76% accuracy
- *Skills used:* Python, Pandas, Matplotlib, Machine Learning, Neural Networks, Remote Sensing, Deep Learning

PROJECTS

- **Policy Research Laboratory - Tourism Prediction**
 - 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:**
 - 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 & COMMUNITY INVOLVEMENT

Business Analytics Association, Austin, TX

August 2023 - Present

Academic Director

- Learned about the data analytics industry and acquired technical skills in Python, Pandas, Keras, and SQL
- Facilitating weekly tech nights in Python and data analysis while guiding students through semester projects.